

CATALOG PART 5000
(JULY 1930 EDITION)

Tycos

Thermometers,
Hydrometers, Urinalysis Glassware,
Hygrometers, Lactometers,
Sphygmomanometers,
Chargometers,
Barometers,
Pocket Compasses, etc.



All trade marks and trade names registered
U. S. Patent Office

Taylor Instrument Companies

ESTABLISHED 1851

Executive Offices and Factory

Rochester, N. Y., U. S. A.

Canadian Plant, *Tycos* Building, Toronto, Canada

Branch Offices

NEW YORK	CHICAGO	BOSTON	PHILADELPHIA	PITTSBURGH	CLEVELAND
SEATTLE	LOS ANGELES	INDIANAPOLIS	SAN FRANCISCO		
ST. LOUIS	CINCINNATI	TULSA	DETROIT	ATLANTA	MINNEAPOLIS

Manufacturing Distributors in Great Britain,
Short & Mason Ltd., London

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Z4180	79	5420-S	26	6043	62	21,032	70	21,567	66	22,241	75	21,580	66
Z4181	79	5421	26	6044	63	21,060	70	21,580	66	22,242	75	21,581	66
Z4182	79	5430-S	26	6044	63	21,064	70	21,581	66	22,243	75	21,582	66
5000	5	5436-S	26	6045	63	21,068	70	21,582	66	22,244	75	21,583	66
5001	5	5440-S	26	6046	63	21,230	69	21,583	66	22,245	75	21,586	66
5001	5	5452	28	6047	63	21,232	69	21,586	66	22,246	75	21,587	66
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5004	7	5498	28	6051	64	21,234	69	21,588	66	22,290	75	21,589	66
5006	7	5499	28	6054	64	21,236	69	21,589	66	22,300	75	21,592	66
5015	7	5516	29	6055	64	21,238	69	21,592	66	22,310	75	21,593	66
5022	7	5518	29	6065	65	21,240	69	21,593	66	22,316	75	21,594	66
5024	7	5520	29	6066	65	21,242	69	21,594	66	22,320	75	21,595	66
5028	7	5524	30	6067	65	21,250	69	21,595	66	22,321	75	21,860	48
5030	7	5526	30	6080-K	55	21,252	69	21,860	48	22,322	75	21,861	48
5040	8	5530	30	6100	70	21,254	69	21,861	48	22,323	75	21,870	57
5042	8	5532	32	6100-A	70	21,256	69	21,870	57	22,324	75	21,871	57
5090	15	5532-S	32	6100-C	70	21,258	69	21,871	57	22,360	50, 75	21,874	57
5092	15	6101	70	6101-C	70	21,260	69	21,874	57	22,390	75	21,875	57
5092-B	15	5533	32	6102	70	21,270	69	21,875	57	22,391	75	21,878	57
5092-C	15	5558	32	6102-C	70	21,271	69	21,878	57	22,392	75	21,879	57
5100-M	18	5588	36	6103	70	21,274	69	21,879	57	22,393	75	21,884	58
5100-O	18	5608-S	36	6103	70	21,275	69	21,884	58	22,394	75	21,885	58
5100-SM	18	5610-SB	36	6103-C	70	21,278	69	21,885	58	22,395	75	21,975	69
5100-SO	18	5610-SP	36	6105-S	80	21,279	69	21,975	69	22,396	75	21,977	69
5100-S-F&C	18	5656-S	37	6106-C	70	21,282	69	21,977	69	22,397	75	21,979	69
5101-SO	18	5684-S	37	6108-S	39	21,283	69	21,979	69	22,398	75	21,985	69
5101-SM	18	5690-S	37	6180	83	21,286	69	21,985	69	22,420	50, 75	21,987	69
5106-S	18	5692-S	37	6180-G	83	21,287	69	21,987	69	22,500	77	21,989	69
5110-S	19	5700	38	6185	83	21,290	69	21,989	69	22,510	77	22,060	74
5113-S	20 ¹	5701	38	6190	84	21,291	69	22,060	74	22,511	77	22,067	74
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5125-S	20	5740-S	39	7220	79	21,304	69	22,074	74	22,560	77	22,075	74
5127-S	21	5776	42	7224	79	21,305	69	22,075	74	22,950	77	22,076	74
5131-S	20 ¹	5783	43	7232	79	21,308	69	22,076	74	22,952	77	22,077	74
5132-S	20 ¹	5792-S	44	7238	79	21,309	69	22,077	74	22,954	77	22,078	74
5140-S	20	5794-S	44	7240	79	21,312	69	22,078	74	22,956	77	22,079	74
5145-S	21	5796	45	7244	57, 79	21,313	69	22,079	74	22,958	77	22,080	74
5151-S	17	5880	46	7248	79	21,316	69	22,080	74	22,960	77		



To Our Friends

THIS catalog marks our seventy-ninth year of uninterrupted work in the development and manufacture of thermometers and kindred instruments for the indicating, recording and controlling of temperature.

The great variety of uses to which our product is applicable makes it impossible to give a complete list under one cover. If you will write us of your needs we will gladly send special printed matter covering the instruments which will best meet your requirements. On the preceding page is a summary of household thermometers, barometers, compasses, etc., that we manufacture for our commercial trade, and on the inside of back cover a list of available catalogs, listing instruments such as regulators, pyrometers, etc., used in the various industries; any of which catalogs are yours for the asking.

Tycos

What It Stands For

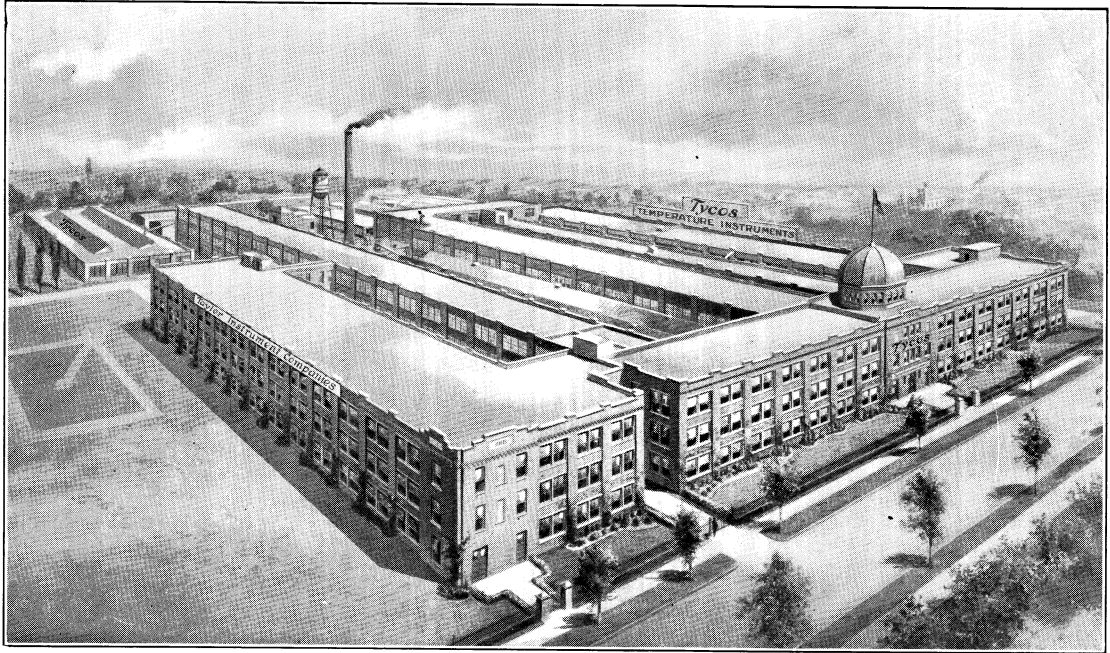
In making our instruments, of necessity there are grades of nicety in the finish, accuracy, and other details of manufacture. Only the very best bear our *Tycos* trade mark, which wherever it appears indicates "best quality."

This word *Tycos*—made up of the "T" and "y" from "Taylor" and the "C," "o" and "s" from "Companies" of our name, *Taylor Instrument Companies*, has become generally and favorably known through our extensive advertising campaigns and the wide distribution of our product.

Terms of Sale and Points to be Observed in Ordering Goods

- 1—All orders for thermometers, unless otherwise listed in catalog or specified on order, will be filled with Fahrenheit scale only.
- 2—Always order by catalog number.
- 3—We take every possible precaution in the packing of goods, to avoid damage in transit. Our prices are based on f.o.b. Rochester terms. When damage or loss occurs on freight or express shipments, make claims against the carrier; whereas loss or damage on parcel-post shipments is to be reported to us.
- 4—Our terms are "Net thirty days, F.O.B. Rochester, N. Y., U. S. A. No cash discount. No anticipation or prepayment discount allowed".
- 5—Prices subject to change without notice.

Cable Address: "Tycos-Rochester"
Codes Used: A. B. C. All Editions; Western Union—Universal and 5 Letter;
Lieber's, Bentley's, Commercial and Private



HOME OF *Tycos* PRODUCTS

IN ADDITION TO THE NUMBERS LISTED IN THIS CATALOG, WE MANUFACTURE
A COMPLETE LINE OF INSTRUMENTS FOR INDICATING, RECORDING, AND
CONTROLLING TEMPERATURE

SOME OF THESE ARE

INDUSTRIAL THERMOMETERS
CAPILLARY RECORDING THERMOMETERS
SELF-CONTAINED RECORDING THERMOMETERS
CAPILLARY INDEX (DIAL) THERMOMETERS
THERMOELECTRIC PYROMETERS; (INDICATING AND RECORDING)
FÉRY RADIATION PYROMETERS
TEMPERATURE-CONTROLLING DEVICES
TIME CONTROLS
CAPILLARY ELECTRIC-CONTACT TEMPERATURE CONTROLS
LABORATORY ENGRAVED THERMOMETERS
HYGROMETERS (WET-AND-DRY-BULB), INDICATING AND RECORDING
OUTDOOR AND HOUSEHOLD THERMOMETERS
THERMOGRAPHS
MEDICAL AND GENERAL-USE THERMOMETERS

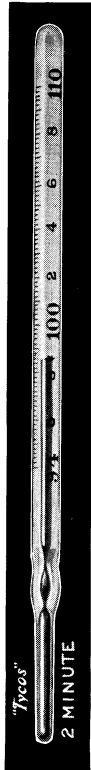
WE ALSO MAKE

HYDROMETERS FOR INDUSTRIAL APPLICATIONS. COAL-OIL TESTING
INSTRUMENTS, MERCURY-COLUMN VACUUM GAUGES, MERCURIAL
BAROMETERS
AVIATION ALTITUDE BAROMETERS, AUTO-ALTIMETERS, BAROGRAPHS,
POCKET COMPASSES, ANEMOMETERS, ETC., ETC.

(See list of available catalogs on inside of back cover



Tycos Fever Thermometers



WE, the undersigned manufacturers, hereby CERTIFY that our registering clinical thermometer marked Tycos No. _____ will meet all requirements and tests as specified in the United States Department of Commerce Commercial Standard No. CS 1-28 for Clinical Thermometers.

READING	CORRECTION
98°	
102°	
106°	

NOTE—When the correction is + it must be added to the observed reading and when - subtracted.

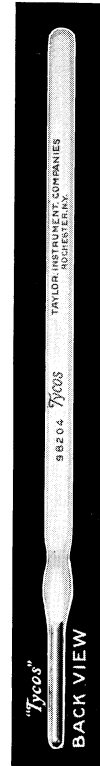
FURTHER, that it has been compared with our standard thermometers at this date. The corrections shown applied to the readings indicate the correct temperature within one-tenth ($\frac{1}{10}$) of a degree.

TORONTO
CANADA

Taylor Instrument Companies

Date _____

ROCHESTER,
N. Y., U. S. A.

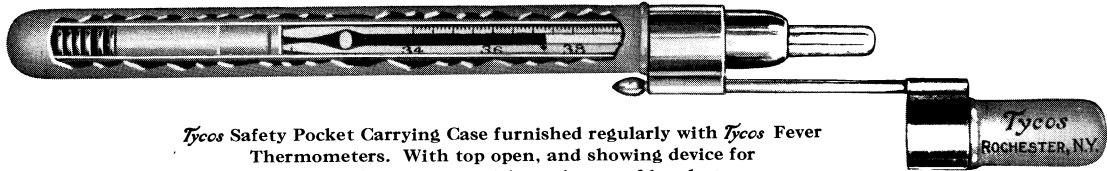


Facsimile of Tycos Fever Thermometer Certificate

Tycos Fever Thermometers stand preëminently at the head of all clinical thermometers, the aim of the manufacturer being to supply as perfect an instrument as a complete and up-to-date equipment and eighty years' experience make possible. Considering the ease with which the mercury column can be thrown back after use, the relative size of bulb and stem, the uniformity of size of "bore" in the tube, the perfection of magnifier in the lens front, the open, easy-reading scale, and the uniformity of tests on certification, these thermometers are the pick of the tubes and are guaranteed against everything except breakage. Even the danger of breakage is reduced to a minimum by the use of the Tycos Safety Pocket Carrying Case (page 6), which is supplied regularly with No. 5000 Tycos Fever Thermometers.

		2-MIN.	PER DOZEN 1-MIN.	½-MIN.
No. 5000	Tycos Four-Inch Fever Thermometers (<i>best grade</i>)	\$24.00	\$27.00	\$30.00
	Magnifying front; in Tycos Safety Pocket Carrying Case (page 6). Each in a folding box, with yellow certificate; six in a carton. Weight per carton about six ounces.			
No. 5001	Tycos Four-Inch Fever Thermometers (<i>best grade</i>)	36.00	39.00	42.00
	Same as No. 5000, except in Tycos Aseptic Pocket Carrying Case (page 6) making it convenient to carry the thermometer constantly immersed in an aseptic solution. Each in a folding box, with yellow certificate; six in a carton. Weight per carton, about seven ounces.			
No. 5002	Tycos Four-Inch Fever Thermometers (<i>best grade</i>)	21.00	24.00	27.00
	Same as No. 5000, except in Hard-Rubber Pocket Carrying Case with clip (page 7). Each in a folding box, with yellow certificate; six in a carton. Weight per carton about five ounces.			

Pocket Carrying Cases for *Tycos* Fever Thermometers

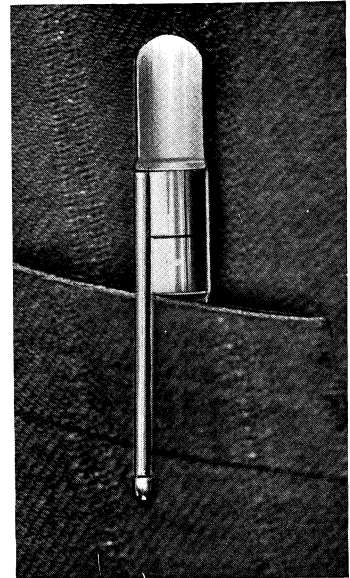


Tycos Safety Pocket Carrying Case furnished regularly with *Tycos* Fever Thermometers. With top open, and showing device for holding thermometer without danger of breakage
(Actual size)

For years there has been a demand for a really satisfactory fever-thermometer carrying case. After much experimenting we offer the one here illustrated, believing that we have solved the problem and that the many objections to those previously used have been overcome. The white-enameled metal case has nickel-plated trimmings and a clip for fastening to the pocket.

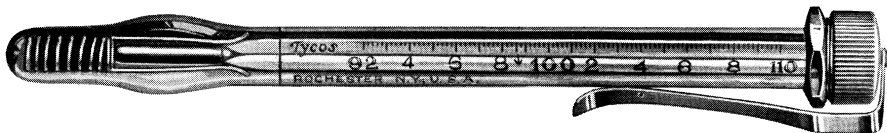
Some of the advantages of the *Tycos* Safety Pocket Carrying Case are:—

- 1st—An inside sanitary fitting relieves the thermometer from shock, and does away with the necessity for placing cotton around the bulb for protection from breakage.
- 2nd—The inside fitting holds the thermometer firmly enough to prevent it falling out, but does not interfere with thermometer being slipped into the case easily.
- 3rd—The clip attachment on the case holds it firmly in the pocket.
- 4th—The clip is so arranged that the cap always remains attached to the case, and cannot be misplaced.
- 5th—If the case is laid on a table, it cannot roll off.



Showing *Tycos* Fever-Thermometer Safety Carrying Case attached to pocket

The *Tycos* Safety Pocket Carrying Case is supplied only with *Tycos* Fever Thermometers (page 5). It cannot be purchased with any other brand of thermometers and *Tycos* "cases only" will not be sold. Several special *Tycos* Safety Cases are offered also (page 10).



Tycos Aseptic Fever-Thermometer Pocket Carrying Case
(Actual size)

Meets the demand for a carrying case in which the physician can keep his clinical thermometer constantly immersed in an aseptic solution. The case itself is made of heavy glass, so that the thermometer is plainly visible at all times. The bulb rests in a spring cushion, which does away with danger of breakage and raises the thermometer when the cap is removed, making it easy to take it from the case. These cases are furnished only with *Tycos* Fever Thermometers and are listed as No. 5001 (page 5).



Clinical Thermometers



Hard-Rubber Clinical-Thermometer Pocket Carrying Case
(Actual size)

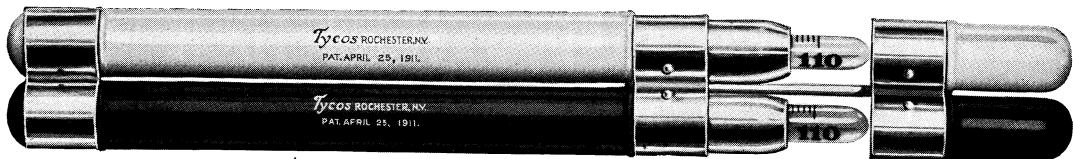
		2-MIN.	PER DOZEN 1-MIN.	½-MIN.
No. 5004	<i>Taylor</i> "68" 4-inch Clinical Thermometer (<i>medium grade</i>)	\$16.00	\$18.00	\$21.00
	Magnifying front; in hard-rubber carrying case as illustrated above. Each in folding box, with white certificate; six in a carton. Weight per carton about five ounces.			
No. 5006	"Hospiclinic" 4-inch Clinical Thermometer	11.00	12.00	14.00
	Magnifying front; in hard-rubber carrying case as illustrated above. Each in folding box, with certificate; one dozen in a carton. Weight per carton about five ounces.			

Rectal Clinical Thermometers

These thermometers are made with a green back, to distinguish them from mouth thermometers, and the pear-shaped bulb gives the correct temperature, without danger of perforating the inflamed, tender tissues with which it comes in contact.

		PER DOZEN 2-MIN.	1-MIN.
No. 5022	<i>Tycos</i> 4-inch Rectal Thermometer (<i>best grade</i>)	\$27.00	\$30.00
	Magnifying front; in <i>Tycos</i> Pocket Carrying Case (<i>as illustrated on page 6, except blue instead of white</i>). Each in a folding box, with yellow certificate; six in a carton. Weight per carton about six ounces.		
No. 5024	Same as No. 5022, except each in hard-rubber carrying case (<i>above</i>).	24.00	27.00
No. 5028	<i>Taylor</i> "68" 4-inch Rectal Thermometer (<i>medium grade</i>).	21.00	24.00
	Magnifying front; in hard-rubber carrying case (<i>above</i>). Each in a folding box, with white certificate; six in a carton. Weight per carton about five ounces.		
No. 5030	"Hospiclinic" 4-inch Rectal Thermometer	14.00	15.00
	Magnifying front; in hard-rubber carrying case (<i>above</i>). Each in a folding box, with certificate; twelve in a carton. Weight per carton about five ounces.		

Combined Mouth and Rectal Thermometers



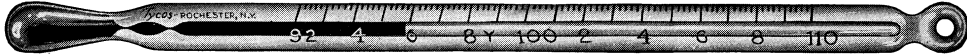
Tycos Combination Safety Pocket Carrying Case for Mouth
and Rectal Fever Thermometers
(Actual size)

This *Tycos* Combination Pocket Carrying Case for mouth and rectal thermometers has met with the universal approval of the medical profession. The blue side of the case contains a No. 5022 *Tycos* 1-minute Rectal Thermometer with green back and pear-shaped bulb and the white side a No. 5000 *Tycos* 1-minute Mouth Thermometer. Both thermometers are absolutely clear at all points and are as perfect as human skill and more than seventy years of experience can produce.

		PER DOZEN 1-MIN.
No. 5015	<i>Tycos</i> Mouth and Rectal Thermometers in Combination Case (<i>best grade</i>)	\$57.00
	Magnifying front. Each in a folding box, with yellow certificate; six in a carton. Weight per carton about 13 ounces.	



Clinical Thermometers



Showing Veterinary Thermometer with pear-shaped bulb and ring for attaching chain or string (Actual size)

- | | | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| No. 5040 | <i>Tycos</i> 5-inch Veterinary Thermometer (<i>best grade</i>) | PER
DOZEN
\$27.00 |
| | Magnifying front; in hard-rubber pocket carrying case (<i>page 7</i>). Each in a folding box with yellow certificate; six in a carton. Weight per carton about seven ounces. | |
| No. 5042 | <i>Taylor</i> "68" 5-inch Veterinary Thermometer (<i>medium grade</i>) | 24.00 |
| | Magnifying front; in hard-rubber carrying case (<i>page 7</i>). Each in a folding box with white certificate; six in a carton. Weight per carton about seven ounces. | |

Centigrade-Scale Clinical Thermometers

(Designate by symbol "C")

Clinical Thermometers of any grade will be made to order with Centigrade scale in lots of one dozen or more, if so specified, at same price as Fahrenheit scale. For less than one dozen, add 20% to prices quoted for Fahrenheit scale.

Fahrenheit-and-Centigrade-Scale or Fahrenheit-and-Reaumur-Scale Clinical Thermometers

(Designate by symbol "F & C" or "F & R.")

Clinical Thermometers of any grade will be made to order with both Fahrenheit and Centigrade or Fahrenheit and Reaumur scales, in lots of one dozen or more, if so specified, at an extra of \$4.00 per dozen NET above the prices quoted for Fahrenheit scale only.

Fever-Thermometer Display Case



(About one-half actual size)

With a three-dozen order for *Tycos* Fever Thermometers we will send one of these handsome counter display cases. It measures 9 inches wide, 8½ inches high, and 4 inches deep at the top, the front sloping down to 1½ inches deep at the bottom. Finished outside in mahogany and lined with dark-green plush, it is an ornament to any counter or show case. Inside compartments are designed to show one each *Tycos* Mouth-and-Rectal Fever Thermometer in *Tycos* Combination Pocket Case; *Tycos* Rectal Thermometer in *Tycos* Blue Safety Pocket Case; *Tycos* Rectal Thermometer and hard-rubber case; *Tycos* 1-minute Fever Thermometer in *Tycos* pocket case; *Tycos* 2-minute Fever Thermometer and hard-rubber case; *Tycos* one-minute Fever Thermometer and twist-nickel case with chain. Weight packed for shipment about 3 pounds.

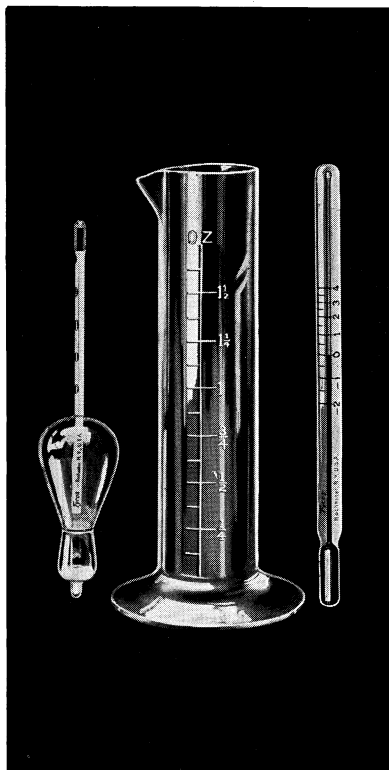
Pocket Carrying Cases for 4-inch Clinical Thermometers



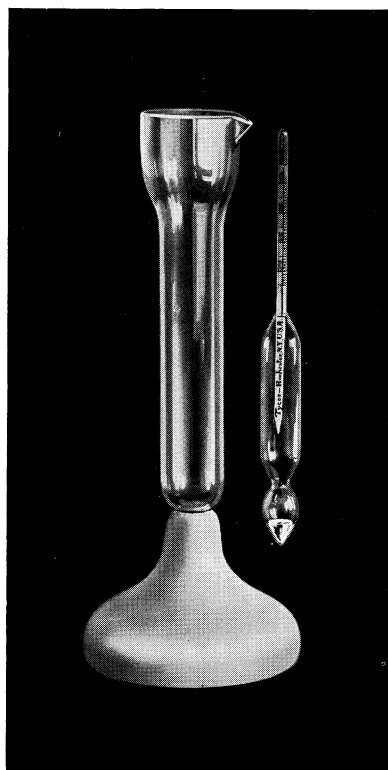
STYLE

- HR Hard-rubber pocket carrying cases are regularly supplied with all clinical thermometers, except as otherwise noted. The clip can be removed easily if desired.
- A Slip-cap nickel-plated case. Will be furnished in place of hard-rubber case, if specified, without extra charge.
- D Twist-nickel-plated case with chain and pin. Will be furnished in place of hard-rubber case, if specified, without extra charge.
- E Twist-aluminum case with chain and pin. Will be furnished in place of hard-rubber case, if specified, without extra charge.
- Q Nurse's special safety pocket carrying case. Same as the *Tycos* safety pocket carrying case regularly furnished with *Tycos* Fever Thermometers, except with chain and pin. Furnished if specified at same price as No. 5000 (page 5).
- X Plain sterling-silver *Tycos* Safety Pocket Case with clip, for 4-inch *Tycos* Fever Thermometer. Add to price of No. 5002 (page 5) an extra of \$84.00 per dozen, list.
- Y Chased sterling-silver *Tycos* Safety Pocket Carrying Case with clip, for 4-inch *Tycos* Fever Thermometer. Add to price of No. 5002 (page 5) an extra of \$96.00 per dozen, list.

Urinalysis Glassware



No. 7501T

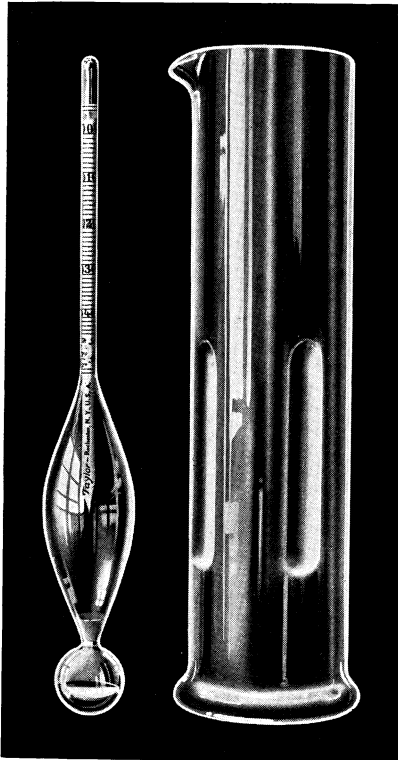


No. 7503

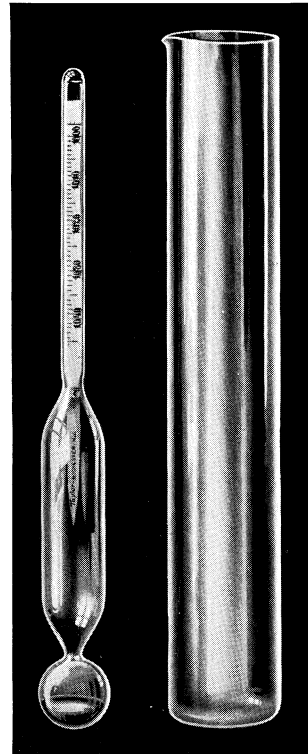
(Illustrations about one-half actual size)

	PER DOZEN
No. 7501 <i>Tycos</i> Urinometer (<i>best grade</i>).....	\$36.00
Specific Gravity scale 1.000 to 1.045 in .001 graduations; mercury weighted; standard temperature, 77° F. or 25° C.; special design, requiring only 1¼ fl. oz. to make test, and eliminates clinging of the hydrometer to the side of the jar; includes test jar with foot and pour-out, graduated to 1½ fl. oz. in ⅛ fl. oz. divisions. Each in a folding box, with instruction booklet; six in a carton. Weight per carton about 2½ pounds.	
No. 7501T Same as No. 7501, except with engraved thermometer, showing temperature corrections for urine.....	48.00
No. 7501A Urinometer only for Nos. 7501 and 7501T.....	30.00
No. 7501B Thermometer only for No. 7501T.....	12.00
No. 7501D Graduated Jar only for Nos. 7501 and 7501T.....	9.00
No. 7503 <i>Tycos</i> Urinometer, Small-Sample Type (<i>best grade</i>).....	36.00
Specific Gravity scale 1.000 to 1.035 in .001 graduations; mercury weighted; temperature of standardization 77° F. or 25° C. Small size of instrument and special design of jar requires a sample of less than ½ fl. oz. to take an accurate reading; with <i>Tycos</i> Universal Sanitary Base. Each in a folding box, with instruction booklet; six in a carton. Weight per carton about 1½ pounds.	
No. 7503A Special Jar only for No. 7503.....	6.00
No. 7503B Urinometer only for No. 7503.....	30.00

Urinalysis Glassware



No. 7516



No. 7520

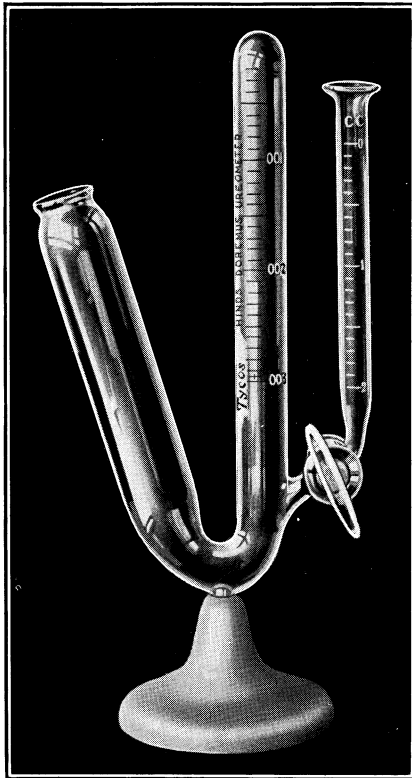
(Illustrations about three-fifths actual size)

- | | | |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| No. 7516 | <i>Taylor</i> Urinometer (<i>medium grade</i>) | PER DOZ.
\$15.00 |
| | Squibb's pattern; Specific-Gravity scale 1.000 to 1.045 in .001 graduations. Mercury weighted; with fluted test jar. Packed 12 in a box. Weight per box about four pounds. | |
| No. 7520 | <i>Taylor</i> Urinometer (<i>medium grade</i>) | 18.00 |
| | Specific-Gravity scale 1.000 to 1.045 in .001 graduations; round stem; flat scale; mercury weighted. In wood case, with plain test jar. Packed 12 in a box. Weight per box about 2½ pounds. | |
| No. 7528 | Urinometer (<i>ordinary grade</i>) | 6.00 |
| | Printed Specific-Gravity scale 1.000 to 1.045 in .001 graduations; shot weighted. In wood case, with plain test jar. Packed 12 in a box. Weight per box about 1¾ pounds. | |

Test Jars Only for Above Instruments

- | | | |
|-----------|---------------------------------------------------|---------------------------|
| No. 7530 | Test Jar (plain), for Nos. 7520 and 7528. | PER DOZ.
\$3.00 |
| No. 7530B | Test Jar (fluted), for No. 7516. | 6.00 |

Urinalysis Glassware



No. 7540



No. 7549

(Illustrations about one-half actual size)

No. 7540 *Tycos* Doremus' Ureometer, Hind's Modification (*best grade*) **\$60.00** PER DOZ.

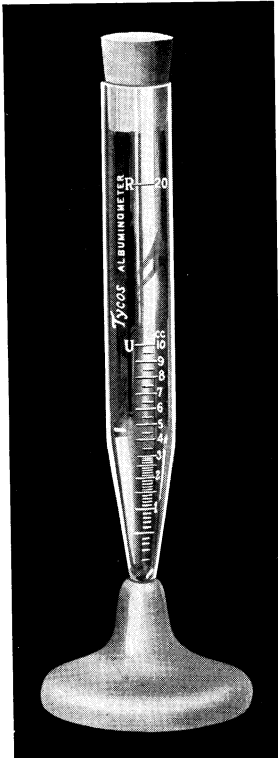
This new design permits rapid filling and cleaning. The bulb of the usual form has been replaced by a long filling-arm, built at such an angle that when filled and inclined until the long arm is horizontal, the fluid flows readily into and completely fills it, without manipulation to displace the air or to avoid spilling. Graduated accurately to read to .03 gram in .001 gram of urea to the cubic centimeter of urine. The small urine arm is graduated in $\frac{1}{10}$ c. c. to 2 c. c. With *Tycos* Universal Sanitary Base. Packed in a folding box, with instruction booklet; three in a carton. Weight per carton about $1\frac{3}{4}$ pounds.

No. 7549 *Tycos* Lohnstein's-Pattern Saccharometer (*best grade*) **48.00**

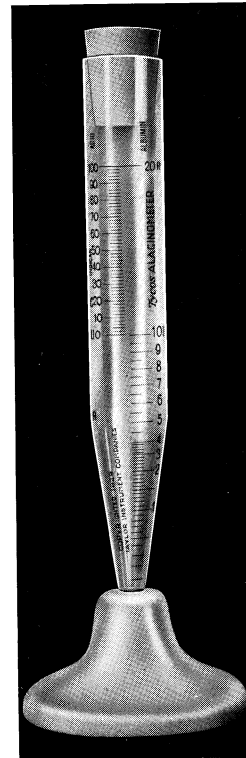
Improved design. Graduated to 1% in $\frac{1}{10}$ % divisions. This pattern gives much more accurate results than other forms, and is easier to clean. Has graduated measuring tube and *Tycos* Universal Sanitary Base. Packed in a folding box, with instruction booklet; six in a carton. Weight per carton about $1\frac{3}{4}$ pounds.

No. 7549A Test Tubes for No. 7549 **9.00**

Urinalysis Glassware



No. 7553



No. 7560

(Illustrations about one-half actual size)

No. 7553 *Tyccos* Standard Albuminometer (*best grade*)..... **PER DOZ. \$13.50**

For use with either Esbach's or Pfeiffer's quantitative method. With *Tyccos* Universal Sanitary Base. Packed in a folding box, with instruction booklet; six in a carton. Weight per carton about 1¾ pounds.

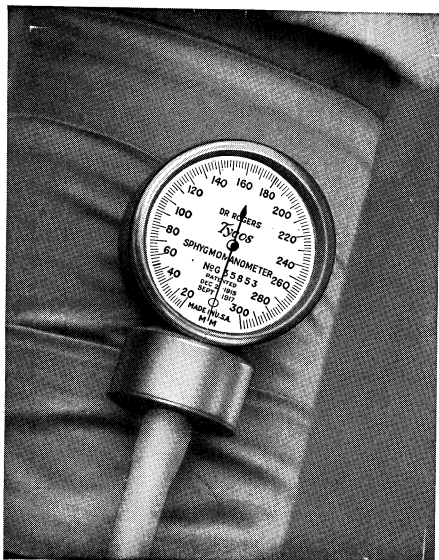
No. 7560 *Tyccos* Alacinometer (pronounced al-as-inometer) (*best grade, accurately graduated*)..... **24.00**

For use in determining albumin by either Esbach's or Pfeiffer's quantitative method; percentage of Acidity (N/10NaOH) reading directly being graduated 5 cc. and 10 cc., from 10 cc. upwards at intervals at 2% to 100%, for NaOH solutions and indican showing by color, the degree of indicanuria using Obermayer's reagent. With strip of white glass as background, making possible more accurate readings of color in determining Acidity and Indican. With *Tyccos* Universal Sanitary Base. Packed in folding box, with instruction booklet; six in a carton. Weight about 1¾ pounds.

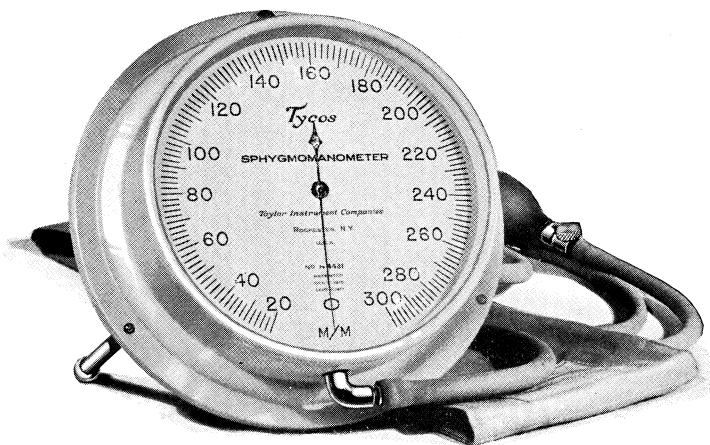


Tycos Self-Verifying Sphygmomanometers

(Blood Pressure Apparatus)



No. 5090 Pocket type
(One-half actual size)



No. 5092 Office type
(Three-eighths actual size)

The *Tycos* Self-Verifying Sphygmomanometer bears practically the same relation to the more fragile and cumbersome mercury-column instrument as does the aneroid to the mercurial barometer. There is no mercury to spill, no glass tubing to break, no buckles or straps to cause delay and startle the patient. The instrument can be applied and removed almost instantly.

In the construction of the diaphragms great care has been given to the selection of metals of the proper tensile strength and free from influence of oxidation; the apparatus can therefore be relied upon absolutely for the fine determination of systolic, diastolic and pulse pressure, and is conveniently carried in the pocket. It should be a part of every practising physician's equipment.

The *Tycos* Self-Verifying Sphygmomanometer is the best type of instrument for determining both systolic (maximal), diastolic (minimal), and pulse pressure. A mercurial manometer is incapable of this service. The trade name *Tycos* is to be found on the dial of every genuine instrument.

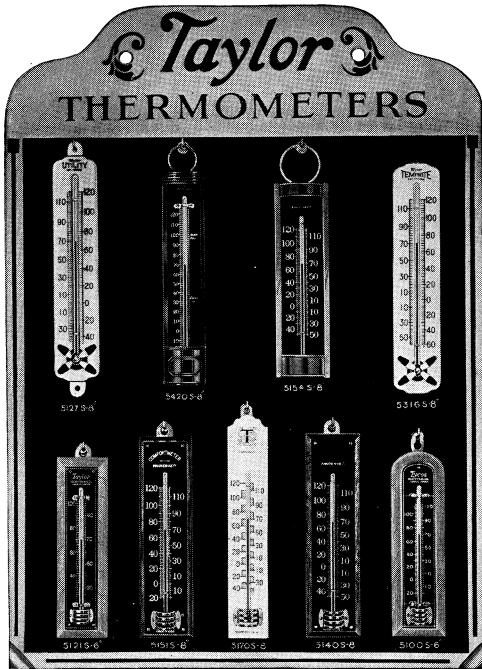
- | | | |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| No. 5090 | <i>Tycos</i> Pocket-Type Self-Verifying Sphygmomanometer..... | EACH
\$25.00 |
| | Manometer, arm sleeve, inflating bulb with control valve, etc., contained in handsome morocco carrying case, 6¾ inches, by 3¼ inches by 1¼ inches in size. Weight each, about 1½ pounds. | |
| No. 5092 | <i>Tycos</i> Office-Type Self-Verifying Sphygmomanometer..... | 37.50 |
| | Has a 6-inch silvered dial, black hand and heavy case. Is designed for use on table or desk, or the nickel-plated legs may be removed and the case fastened directly to the wall. The standard equipment includes six feet of rubber tubing, pneumatic bag and sleeve, inflating bulb and valve. While no more accurate than the pocket-type, its size enables one to make much more accurate observations than are possible when the smaller model is used. To the practitioner with failing eyesight, the large clearly-marked dial and large excursions of the hand will be a never-ending source of satisfaction. This instrument is appreciated particularly when for any reason the stethoscope cannot be used, as very fair results can be obtained with the palpatory and oscillatory methods. Weight each about 5 pounds. | |
| No. 5092B | <i>Tycos</i> Surgical Sphygmomanometer..... | 52.50 |
| | Consists of No. 5092 Office-Type Sphygmomanometer, together with a supporting bracket adjustable to any make of operating table or anaesthesia machine. | |
| No. 5092C | Bracket only for <i>Tycos</i> Surgical Sphygmomanometer..... | 15.00 |

Parts for *Tycos* Sphygmomanometers

PART NO.	EACH	PART NO.	EACH		
6	Bulb only for No. 5090 or 5092.....	\$.50	10A	Sleeve and rubber bag for No. 5090 or 5092.....	\$4.00
7	Valve only for No. 5090 or 5092.....	1.50	11	Sleeve, bag, bulb and valve for No. 5090 or 5092...	6.00
8	Bulb and valve for No. 5090 or 5092.....	2.00	12	Morocco carrying case for No. 5090.....	3.00
9	Rubber bag for No. 5090 or 5092.....	1.50	12A	Carrying case for No. 5092.....	12.00
10	Sleeve for No. 5090 or 5092.....	2.50			



Thermometer Assortments



No. 0-S Assortment

Thermometers are steady sellers, rarely changing in style, but to move quickly should not be tucked away in drawers or boxes.

Whether you are in a small or large town, this variety of best sellers, at prices to suit all pocketbooks, will help your thermometer sales.

The heavy cardboard display board accompanying this assortment is 24½" x 18" in size, printed in attractive colors. While good for inside display, it is especially valuable when hung in the window during a sudden change of temperature, impressing the public that you are headquarters for thermometers.

This assortment includes 21 thermometers of 9 styles as listed below, to retail at from 25 cents to \$1.50 each. Tubes of all thermometers are filled with non-fading easy-reading red liquid.

QUAN.	CAT. NO.	LISTED ON PAGE	SIZE
5	5170-S	17	8-inch
2	5140-S	20	8 "
2	5154-S	21	8 "
2	5127-S	21	8 "
4	5316-S	22	8 "
2	5420-S	26	8 "
1	5121-S	20	6 "
1	5100-S oak	18	6 "
2	5151-S	17	8 "

Weight, packed ready for shipment, about 15 pounds.

EACH
No. 0-S Taylor Thermometer Assortment. **\$16.50**

The display board furnished with the Taylor No. 1-S Thermometer Assortment is of heavy cardboard, printed in attractive colors, with eyelets for suspending the board (19½" x 24") and brass hooks for hanging individual thermometers on the board.

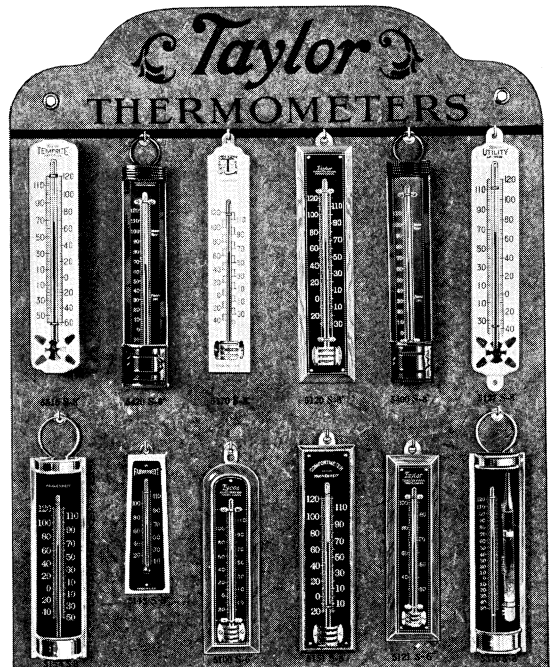
The board shows one of each style thermometer in the assortment. Having sold any one, replace it from the duplicates on your shelves and as you run out of any number, order from this catalog.

The assortment includes 39 thermometers of 12 styles as listed below, to retail at from 25 cents to \$1.75 each. Tubes of all thermometers are filled with non-fading easy-reading red liquid.

QUAN.	CAT. NO.	LISTED ON PAGE	SIZE
4	5170-S	17	8-inch
6	5145-S	21	5 "
6	5151-S	17	8 "
3	5154-S	21	8 "
4	5127-S	21	8 "
6	5316-S	22	8 "
3	5370-S	24	8 "
1	5420-S	26	8 "
2	5120-S	20	8 "
2	5121-S	20	6 "
1	5100-S	18	6 "
1	5400-S	25	8 "

Weight, packed ready for shipment, about 20 pounds.

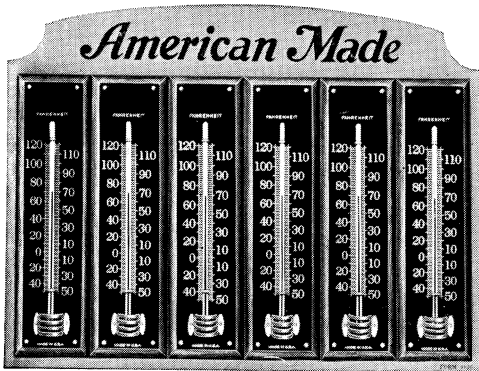
EACH
No. 1-S Taylor Thermometer Assortment. **\$34.00**



No. 1-S Assortment



Thermometer Assortments



No. 100-S Assortment
(About one-fifth actual size)

No. 100-S "American-Made" Assortment (ordinary grade) . \$3.50

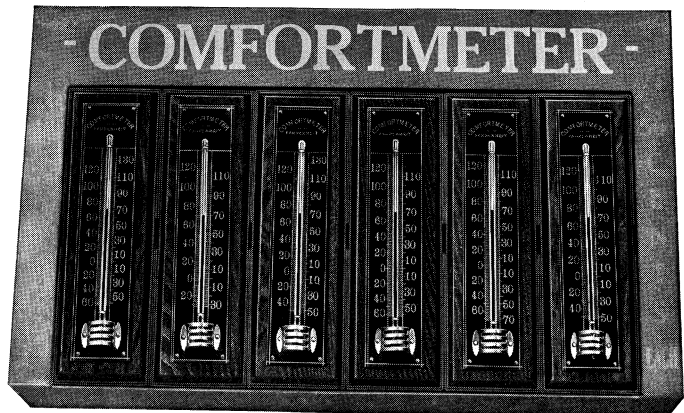
EACH

Consists of a neat easel-back display card holding six ordinary-grade thermometers, size 2 by 7½ inches; black-lithographed tin scales, on walnut-finished wood backs; temperature range 20 to 60°F. below zero to approximately 120° above; magnifying tubes filled with non-fading and easy-reading red liquid; size of display card 13¼ inches by 10 inches. Packed one assortment in a box. Weight per box about two pounds.

No. 5151S "Comfortmeter" Assortment (ordinary grade) \$6.00

EACH

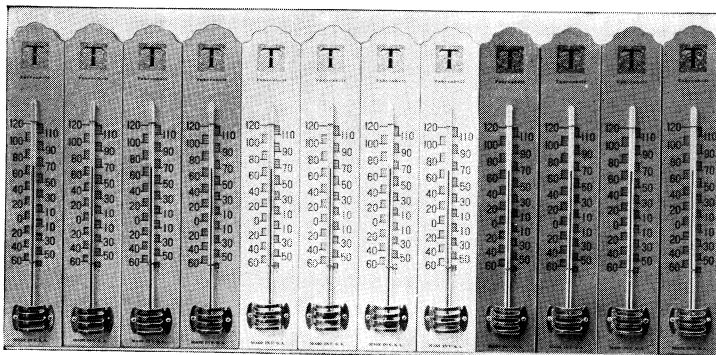
Consists of a red, imitation-leather-covered, easel-back display box, containing one dozen "Comfortmeter" thermometers, 8 inches by 2½ inches in size, with magnifying tubes filled with non-fading and easy-reading red liquid; assorted blue and green metal scales mounted on gray-finish wood backs; nickered straps and bulb guards; size of package 10¼ inches by 17½ inches; temperature range 20 to 60° F. below zero to approximately 120 above. Weight per assortment about 3½ pounds.



No. 5151S Assortment
(About one-fifth actual size)

No. 5170S "Distance-Reading" Assortment (ordinary grade) \$3.30

EACH

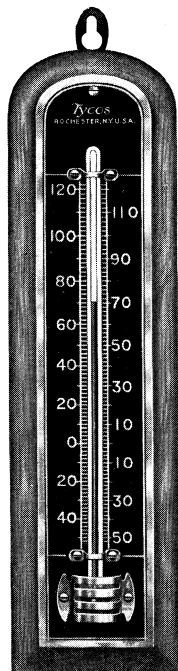


No. 5170S Assortment
(About one-fifth actual size)

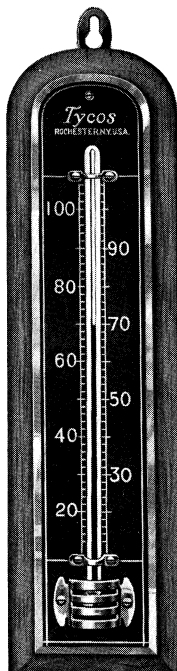
Four each white, green and lavender eight-inch wood-back thermometers with distance-reading temperature scales stamped in the wood; magnifying tubes filled with non-fading and easy-reading red liquid; nickel-plated tube clasps and bulb guard; temperature range 20 to 60°F below zero to approximately 120 above; mounted on easel-back display card 8¾ inches by 18½ inches in size. Weight per assortment about 1½ pounds.



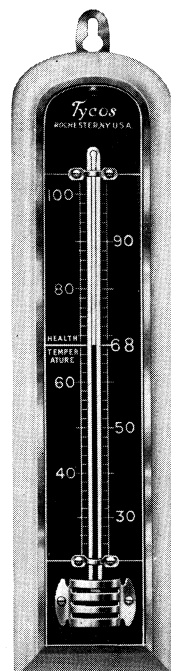
Tycos Wall Thermometers



No. 5100O-5100M
5100SO-5100SM



No. 5101SO-5101SM

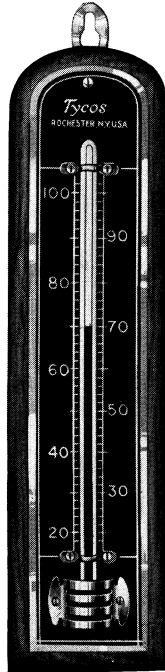


No. 5106S

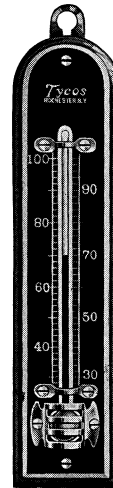
	6-INCH	PER DOZEN 8-INCH	10-INCH
No. 5100-O Tycos Wall Thermometer (<i>best grade</i>).....	.....	\$24.00	.....
Magnifying, seasoned, mercury-filled tube; black-oxidized, bevel-edged brass scale with white-filled figures and graduations; gold-plated screws, tube-clasps and bulb-guard; temperature range 10 to 40° F. below zero to about 120° above; natural-oak back. Each in a box, ½-dozen in a carton. Weight per carton about 2½ pounds.			
No. 5100M Same as No. 5100O, except genuine mahogany backs.....		26.00	.....
No. 5100SO Tycos "Permacolor" Wall Thermometer (<i>best grade</i>).....	\$20.00	22.00	\$26.00
Magnifying glass tube filled with non-fading easy-reading red liquid; temperature range of 8" and 10" sizes 20° to 60° F. below zero to about 120° above; temperature range of 6" size approximately 20° below zero to 120°F. above (not lower than 20° below). Otherwise same as No. 5100O. Weight per carton of ½ doz.:—6" size 1¾ pounds; 8" size 2½ pounds; 10" size 3 pounds.			
No. 5100SM Tycos "Permacolor" Wall Thermometer (<i>best grade</i>).....	21.00	24.00	28.00
Magnifying glass tube filled with non-fading easy-reading red liquid; temperature range of 8" and 10" sizes 20° to 60°F. below zero to about 120°F. above; temperature range of 6" size approximately 20° below zero to 120°F. above (not lower than 20° below). Otherwise same as No. 5100M.			
No. 5100S Tycos "Permacolor" Wall Thermometer (<i>best grade</i>).....	.....	24.00	.....
F&C Magnifying tubes filled with non-fading easy-reading red liquid; temperature range 20 to 60° F. below zero to about 120 above, and corresponding Centigrade. Made only in oak back and in 8-inch size. Otherwise same as No. 5100O.			
No. 5101SO Tycos "Permacolor" Wall Thermometer (<i>best grade</i>).....	20.00	.....	.....
Magnifying seasoned glass filled with non-fading easy-reading red liquid; shaded gold-finished scale with white-filled figures and graduations; natural-oak back; gold-plated screws, tube clasps and bulb guard; indoor temperature range, approximately 20 to 100° F. Each in a box, ½ dozen in a carton. Weight per carton about 1½ pounds.			
No. 5101SM Tycos "Permacolor" Wall Thermometer (<i>best grade</i>).....	21.00	.....	.....
Genuine mahogany back; shaded silver-finished metal scale with white-filled figures and graduations. Otherwise same as No. 5101SO.			
No. 5106S Tycos "Permacolor" "Health-Temperature" Wall Thermometer (<i>best grade</i>)....	.....	30.00	.....
White-enameled back; black-oxidized metal scale with white-filled figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; red line and figures "68" at that point on the scale, with words "health temperature." Made in 8-inch size only. Otherwise same as No. 5101SO. Each in a box, ½ doz. in a carton. Weight per carton about 2¼ pounds.			



Tycos Wall Thermometers



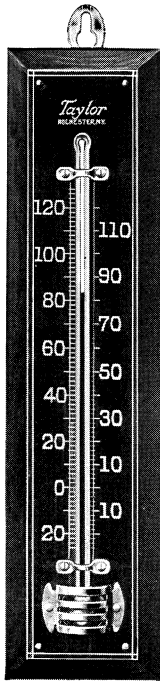
No. 5110S



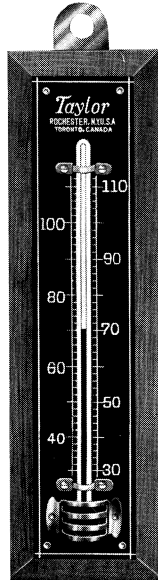
Nos. 5114S and 5115S

- | | | PER DOZEN | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|----------------|----------------|
| | | 6-INCH | 8-INCH |
| No. 5110S | <i>Tycos</i> "Permacolor" "Elite" Thermometer (<i>best grade</i>) | \$30.00 | \$33.00 |
| <p>Special thin, hand-rubbed finish, mahogany back; black-oxidized, bevel-edged brass scale; gold-plated screws, tube-clasps and bulb guard; magnifying tube filled with non-fading easy-reading red liquid; white-filled figures and graduations; indoor-temperature range, approximately 20 to 100° F. Each in a box, ½ dozen in a carton. Weight per carton: 6-inch size about 1¼ pounds; eight-inch size about 2 pounds.</p> | | | |
| No. 5114S | <i>Tycos</i> "Permacolor" "Petite" Thermometer (<i>best grade</i>) | | 24.00 |
| <p>Black-oxidized brass scale with white-filled figures and graduations; magnifying glass tube filled with non-fading easy-reading red liquid; genuine mahogany back; gold-plated screws, tube clasps and bulb guard; indoor-temperature range, approximately 20 to 100° F. Each in a box, ½ dozen in a carton. Weight per carton about ¾ of a pound.</p> | | | |
| No. 5115S | <i>Tycos</i> "Permacolor" "Petite" Thermometer (<i>best grade</i>) | | 18.00 |
| <p>Black-oxidized brass scale with white-filled figures and graduations, mounted on silver-finished metal back; magnifying tube filled with non-fading easy-reading red liquid; silver-plated screws, tube-clasps and bulb-guard; indoor temperature range, approximately 20 to 100° F. Each in a box, ½ dozen in a carton. Weight per carton about one pound.</p> | | | |

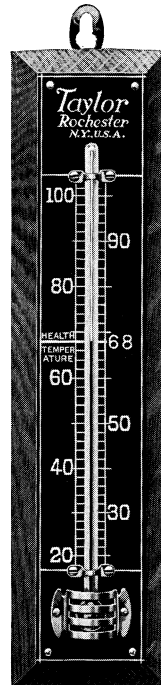
Wall Thermometers



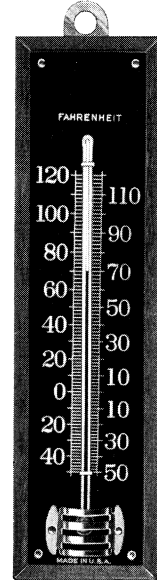
No. 5120S



No. 5121S



No. 5125S



No. 5140S

No. 5120S

Taylor "Permacolor" Wall Thermometer (*medium grade*)

PER DOZEN
6-INCH 8-INCH

\$12.00 \$15.00

Natural-oak or cherry-finished wood backs; black-oxidized brass scale with white-filled figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; temperature range of eight-inch size from 20 to 60° F below zero to about 120 above; six-inch size approximately 20° below zero to 120 above. Each in a box, one dozen in a carton. Weight per dozen: six-inch size about 2½ pounds; eight-inch size about 3½ pounds.

No. 5121S

Taylor "Permacolor" Wall Thermometer (*medium grade*)

6-INCH **12.00**

Natural-oak or cherry-finished wood back; black-oxidized brass scale with white-filled figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; temperature range approximately 20 to 100° F.; six-inch size only. Each in a box, one dozen in a carton. Weight per dozen about 2½ pounds.

No. 5125S

Taylor "Permacolor" "Health-Temperature" Wall Thermometer (*medium grade*)

8-INCH **15.00**

Natural-oak or cherry-finished wood backs; black-oxidized brass scale with white-filled figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; temperature range approximately 20 to 100° F.; the 70° figures are omitted and the 68° figures and the words "Health Temperature" are stamped in red on the scale; eight-inch size only. Each in a box, one dozen in a carton. Weight per dozen about 3½ pounds.

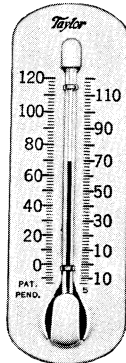
No. 5140S

"Permacolor" Wall Thermometer (*ordinary grade*)

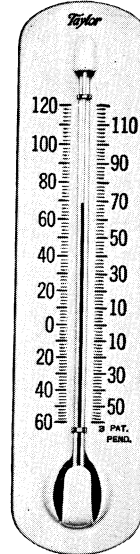
8-INCH **6.50**

Walnut-finished wood backs; black-metal scale with white-filled figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; temperature range 20 to 60° F. below zero to about 120 above. Eight-inch size only. Each in a folding box, one dozen in a carton. Weight per dozen about 3 pounds.

Taylor Vitreous-Enamel "Permacolor" Wall Thermometers



No. 5131S



No. 5132S

Both of these thermometers have a heavy metal back, finished in durable white vitreous enamel, which will not discolor. The black figures and graduations on the white background, and the magnifying glass tube filled with non-fading red liquid, make it easy to take temperature readings, even at quite a distance.

Packed in individual boxes, twelve to a carton, with an easel show card in each carton on which a single thermometer may be displayed on the counter or elsewhere.

No. 5131S *Taylor* White Vitreous Enamel "Permacolor" Wall Thermometer **PER DOZ. \$6.00**

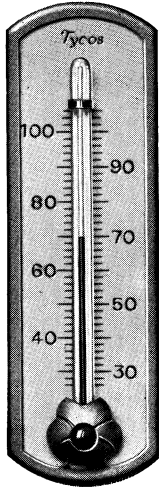
Scale is 4½ inches long; temperature range approximately 20° below zero to 120°F. Not available with temperature scale reading lower than 20° below zero. Weight per dozen, 1 pound 4 ounces.

No. 5132S *Taylor* White Vitreous Enamel "Permacolor" Wall Thermometer **9.00**

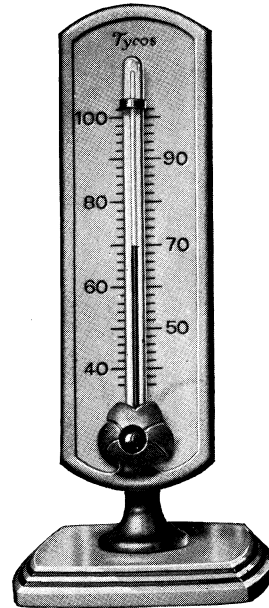
Scale 7 inches long; temperature range approximately 60° below zero to 120°F. above. Weight per dozen, 2 pounds 2 ounces.



Tycos Synthetic-Ivory-Scale Wall and Stand Thermometers



No. 5113S



No. 5357S

(Illustrations three-fourths actual size)

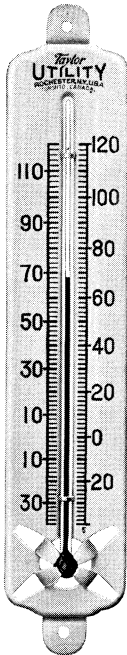
NO.	PER DOZ.
5113S Tycos Synthetic-Ivory-Scale Wall Thermometer	\$12.00

Length over all $3\frac{1}{2}$ inches; magnifying glass tube filled with non-fading easy-reading red liquid; synthetic-ivory white scale with black-filled etched figures and graduations; scale in a dull-gold-plated metal frame; bulb well protected against breakage; indoor temperature range approximately 30° to 100° F., in 2° divisions of the scale. Each in a box, twelve in a carton. Weight per carton about $\frac{1}{2}$ pound.

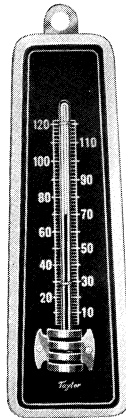
5357S Tycos Synthetic-Ivory-Scale Stand Thermometer	18.00
----------------------------------------------------------------------	--------------

Same thermometer as No. 5113S (*above*) but mounted on a synthetic-ivory white stand with edges lined with gold to match the metal frame containing the thermometer scale. For use on stand, desk or table. Stands 4 inches high. Each in a box, twelve in a carton. Weight per carton about 1 pound four ounces.

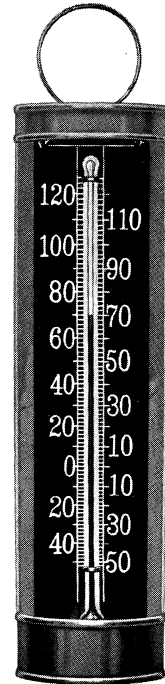
“Utility” and “Distance-Reading” Thermometers



No. 5127S



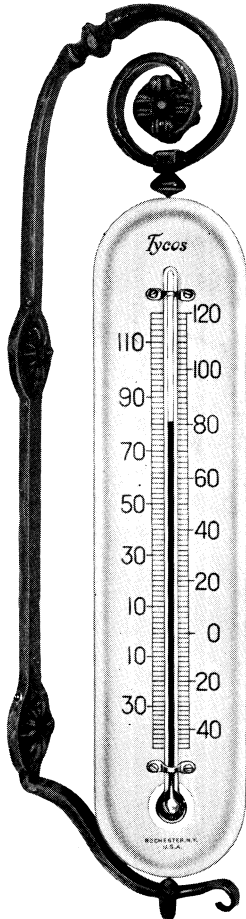
No. 5145S



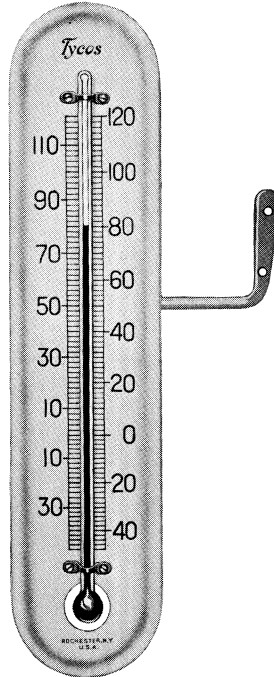
No. 5154S

- | | | |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| | | PER DOZ.
8-INCH |
| No. 5127S | Taylor “Permacolor” “Utility” Thermometer (<i>medium grade</i>) | \$12.00 |
| | Vitreous-white-enamelled steel frame; easy-reading black figures and graduations; temperature range 20 to 60° F. below zero to approximately 120 above; magnifying glass tube filled with non-fading easy-reading red liquid; lugs at top and bottom of case for fastening to the wall or window casing; rosette bulb guard; each in a lithographed box, one dozen in a carton. Weight per dozen about 3 pounds. | |
| No. 5145S | “Permacolor” Indoor Wall Thermometer (<i>ordinary grade</i>) | 5-INCH
6.50 |
| | White-enamel wood back; blue, green, and white finished scales (four of each color in a package); range approximately 10° to 120°F; magnifying tube filled with non-fading easy-reading red liquid. Each in a box, one dozen in a carton. Weight per dozen about 1¼ pounds. | |
| No. 5154S | Coppered-Case “Distance-Reading” “Permacolor” Thermometer (<i>selected ordinary grade</i>) | 8-INCH
10.00 |
| | Coppered tin case; black-finished brass scale with white-filled figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; temperature range 20 to 60° F. below zero to about 120 above. Eight-inch size. Each in a box, one dozen in a carton. Weight per dozen about 3¼ pounds. | |

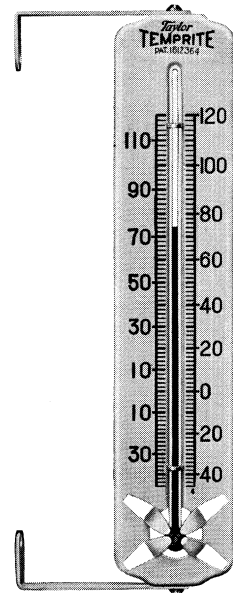
Window Thermometers



No. 5307S



No. 5306S



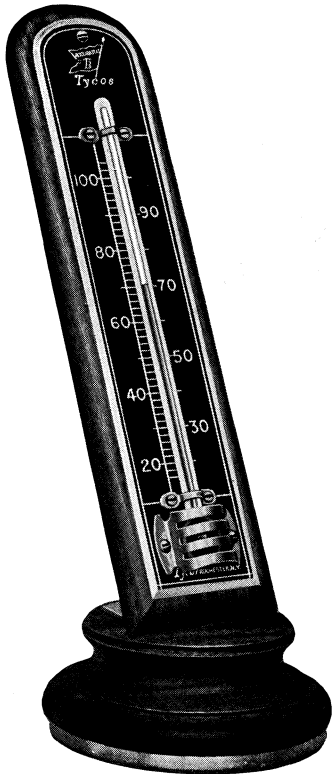
No. 5316S

(Illustrations about one-third actual size)

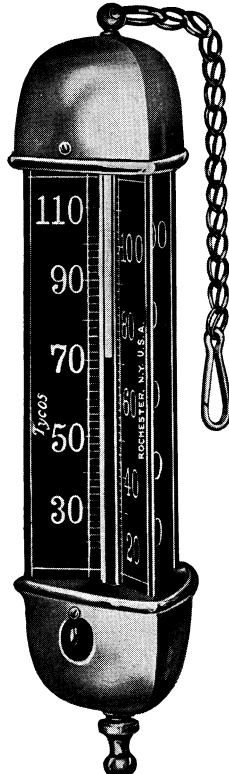
Everyone appreciates being able to know the out-of-door temperature by a glance through the window, without the necessity of going out in the heat or cold, as the case may be, to consult an ordinary thermometer. And not only is the matter of convenience to be considered, but this outside temperature knowledge makes it possible to dress suitably for the weather of the day or evening, thus conserving health. All the following thermometers have magnifying glass tubes filled with red liquid (non-fading and easy-reading) and their temperature range is approximately 20 to 60° F. below zero to about 120 above.

- | | | |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| No. 5306S | Tycos "Permacolor" Window Thermometer (best grade) | \$42.00 |
| | Vitreous white-enamel on steel with permanent dead-black figures and graduations; size 10 by 2¼ inches; attachable to either side of window casing, screen or storm window; provided with two brackets, one for use when attached to right side and the other for left side, with screws and instructions for mounting. Each in a box. Weight per dozen about 10 pounds. | |
| No. 5307S | Tycos "Permacolor" Window Thermometer (best grade) | 48.00 |
| | Thermometer itself same as No. 5306S, but furnished with an ornamental black-metal bracket which is screwed to the window casing. Thermometer can be turned in the frame to face in any position for easy reading. Each in a box. Weight per dozen about 12 pounds. | |
| No. 5316S | "Temprite" "Permacolor" Window Thermometer (medium grade) | 12.00 |
| | Vitreous white-enamel on steel, 8¼-inch scale; easy-reading black figures and graduations; rosette bulb guard; metal brackets for attaching thermometer to either side of window frame, and adjustable to any convenient angle. Each in a lithographed box and one dozen in a carton, with instructions for installation and use. Weight per dozen about 3½ pounds. | |

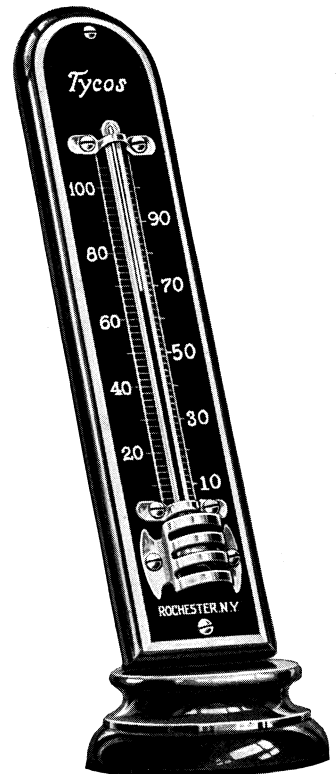
Tycos Desk and "Radial-Scale" Thermometers



No. 5340S
(About one-half actual size)



5350S
(About four-fifths actual size)



No. 5354S
(About two-thirds actual size)

No. 5340S *Tycos* "Permacolor" Mahogany Standing Desk Thermometer PER DOZ.
(*best grade*) **\$60.00**

Six-inch black-oxidized metal scale with white-filled figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; stands eight inches high; special hand-rubbed piano-finish thin mahogany back, base of same finish; indoor temperature range 20 to 100° F.; base on which thermometer rests has bronze edge; gold-plated screws, tube-clasps and bulb-guard. Each in a box, six in a carton. Weight per carton about 3½ pounds.

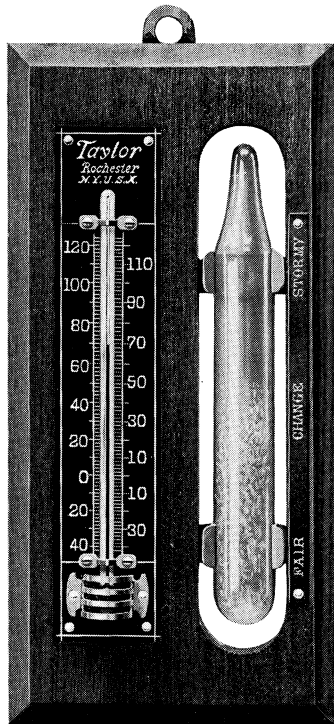
No. 5350S *Tycos* "Permacolor" "Radial-scale" Thermometer (*best grade*) **96.00**

Large-bore plain tube filled with non-fading easy-reading red liquid; black-oxidized brass scales with white-filled figures and graduations; plain nickel-plated brass ends; 6½-inches long; indoor temperature range approximately 20 to 100° F.; tube protected on all sides. Designed to suspend by a chain and snap from light fixture, and can be read at a glance from any part of the room. Hanging away from the wall these thermometers give the actual room temperature. Each in a box, six in a carton. Weight per carton about three pounds.

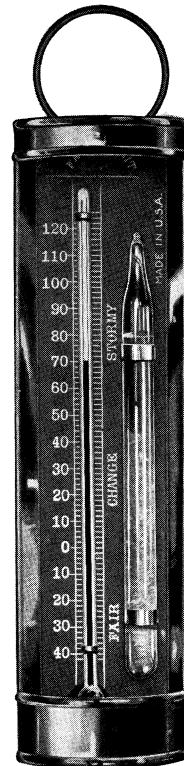
No. 5354S *Tycos* "Permacolor" All-Metal Standing Desk Thermometer
(*best grade*) **30.00**

Bronze shaded ivory-finished scale, mounted on a bronze-finished metal back and base; stands six inches high; magnifying tube filled with non-fading easy-reading red liquid; indoor temperature range approximately 20 to 100° F.; gold-plated screws, tube-clasps and bulb-guard; scale and base finished dull instrument-black. Each in a box, six in a carton. Weight per carton about 2½ pounds.

Combined Thermometers and Storm Glasses



No. 5364S



No. 5370S

(Illustrations about one-half actual size)

In addition to the thermometer tube and scale, these instruments have a "storm glass" set in metal clips in a recessed opening in the wood back, and with a scale at the side marked "Fair," "Change" and "Stormy." The magnifying thermometer tubes are filled with non-fading easy-reading red liquid; the metal thermometer scales are black-oxidized, with white-filled figures and graduations; temperature range 20 to 60° F. below zero to about 120 above.

No. 5364S *Taylor* "Permacolor" Storm Glass and Thermometer **PER DOZ. \$18.00**

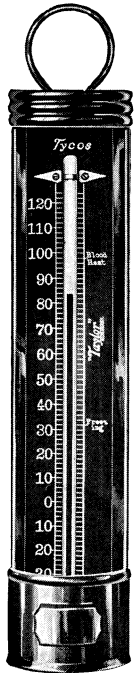
The thermometer tube is of a second selection and is guaranteed accurate to within two degrees; brass screws, thermometer tube-clasps and bulb-guard; light-oak wood back, approximately 8 by 4 inches in size. Each in a box, 1/2 dozen in a carton. Weight per carton about 3 1/4 pounds.

No. 5370S "Permacolor" Storm Glass and Thermometer **12.00**

Coppered tin case; size 8 inches by 2 1/4 inches. Each in a box, one dozen in a carton. Weight per dozen about 3 1/2 pounds.



Tycos Japanned-Tin-Case and Copper-Case Thermometers



No. 5400

All thermometers on this page are of *Tycos* Quality (best grade) and are guaranteed accurate to within one degree. The substantial tin cases are heavily enameled and thoroughly baked. Tube clasps, bulb guards and screws are gold-plated, and in every detail these thermometers are made for accuracy and finished for appearance and durability. All have magnifying glass tubes, and wherever the letter "S" follows the catalog number tubes are filled with non-fading easy-reading red liquid. If this letter "S" does not appear the tubes are filled with distilled mercury. They are packed each in a box, six in a carton, and weigh, packed for shipment, as follows: 8-inch size about 1½ pounds; 10-inch size 2½ pounds; 12-inch size 3½ pounds.

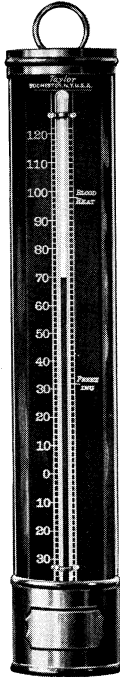
		PER DOZEN		
		8-INCH	10-INCH	12-INCH
No. 5400	<i>Tycos</i> Tin-Case "Air-Temperature" Thermometers (<i>best grade</i>)	\$22.00	\$24.00	\$27.00
Black-oxidized brass scale with white-filled figures and graduations; temperature range 10 to 40° F. below zero to about 120 above.				
No. 5400S	<i>Tycos</i> Tin-Case "Permacolor" Air-Temperature Thermometers (<i>best grade</i>)	20.00	22.00	.....
Have magnifying glass tube filled with non-fading easy-reading red liquid; temperature range 20 to 60° F. below zero to about 120 above. Otherwise same as No. 5400.				
No. 5400P	Same as No. 5400, except copper case		30.00	33.00
No. 5400PS	Same as No. 5400S, except copper case.		28.00	.....
No. 5401	Silvered brass scale with black-filled figures and graduations; "water boil" temperature range, approximately 30 to 220° F.			30.00
No. 5401P	Same as No. 5401, except copper case			36.00
No. 5402	Same as No. 5401, except with "high" temperature range, approximately 50 to 350° F.			33.00
No. 5402P	Same as No. 5402, except copper case			39.00
No. 5403S	Same as No. 5400S, except with "cold-storage" temperature range (approximately 20° F. below zero to 70 above) and silvered scale.			33.00
No. 5403PS	Same as No. 5403S, except copper case.			39.00

Extra Tubes and Scales and Extra Cases for Above Thermometers

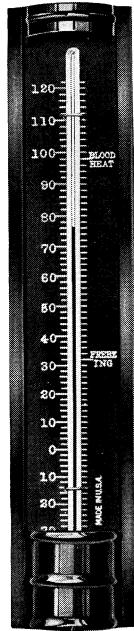
		PER DOZEN		
		8-INCH	10-INCH	12-INCH
No. 5400A	Tubes and Scales for No. 5400	\$18.00	\$19.00	\$21.00
No. 5400SA	" " " " No. 5400S	16.00	17.00	.....
No. 5401A	" " " " No. 5401			24.00
No. 5402A	" " " " No. 5402			27.00
No. 5403SA	" " " " No. 5403S			27.00
Extra Copper Cases			11.00	12.00
Extra Japanned-Tin Cases		4.00	5.00	6.00



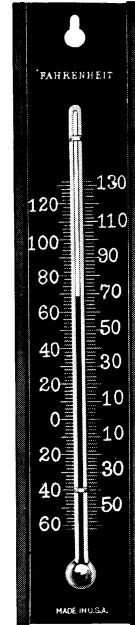
Tycos Japanned-Tin-Case and Copper-Case Thermometers



Nos. 5420, 5420S, 5430S



No. 5436S

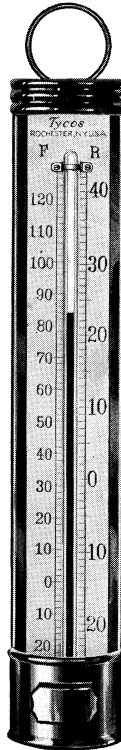


No. 5440S

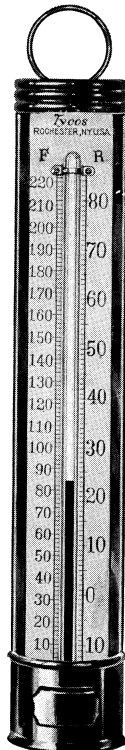
	8-INCH	PER DOZEN 10-INCH	12-INCH
No. 5420S Taylor Japanned-Tin-Case "Permacolor" Thermometer (<i>medium grade</i>)	\$12.00	\$15.00	.....
Black-japanned tin case; magnifying tube filled with non-fading easy-reading red liquid; black-oxidized brass scale with white-filled figures and graduations; temperature range 20 to 60° F. below zero to about 120 above. One dozen in a box. Weight per dozen; 8-inch size about 2½ pounds; 10-inch size about 3 pounds.			
No. 5420 Taylor Japanned-Tin-Case Thermometer (<i>medium grade</i>)			\$18.00
Same as No. 5420S, except mercury-filled magnifying tube, and temperature range 10 to 40° F. below zero to about 120 above. 12-inch size only. Each in a box, one dozen in a carton. Weight per dozen about 4 pounds.			
No. 5421 Taylor Japanned-Tin-Case Thermometer (<i>medium grade</i>)			21.00
Same as No. 5420, except temperature range approximately 30 to 220° F. Made in 12" size only. Each in a box, one dozen in a carton. Weight per dozen about 4 pounds.			
No. 5430S Taylor Coppered-Tin-Case "Permacolor" Thermometer (<i>medium grade</i>)	13.50	16.50	.....
Same as No. 5420S, except coppered case and in 8 and 10" sizes only.			
No. 5436S Japanned-Tin-Case "Permacolor" Thermometer (<i>selected-ordinary grade</i>)	7.00	.....	.....
Black-japanned tin case with wide flanged edges; black metal scale with white-filled figures and graduations; magnifying glass tube filled with non-fading easy-reading red liquid; temperature range 20 to 60° F. below zero to about 120 above. One dozen in a box. Weight per dozen about 2 pounds.			
No. 5440S Lithographed-Tin-Scale "Permacolor" Thermometer (<i>ordinary grade</i>)	3.00	.....	.....
Black-lithographed tin scale formed as illustrated, and with white figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; temperature range 20 to 60° F. below zero to about 120 above. One dozen in a box. Weight per dozen about 1¼ pounds.			



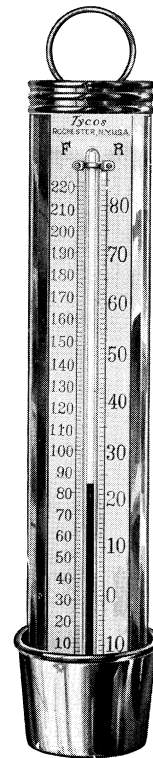
Tycos Brewers' Thermometers



No. 5400-F. & R.



No. 5401-F. & R.



No. 5401 K.-F. & R.

No. 5400 F&R *Tycos* Japped-Tin-Case Brewers' Thermometers (best grade) PER DOZ. **\$30.00**

Approximate temperature range 0 to 120° F. and corresponding R; 12-inch japped-tin case; "seasoned" magnifying mercury-filled tube; silvered brass scale with black-filled figures and graduations; each stamped *Tycos*, our registered trade mark, and guaranteed accurate within one degree. Each in a box, six in a carton. Weight per carton about 3½ pounds.

No. 5401 F&R Same as No. 5400 F&R, except temperature range approximately 30 to 220° F. and corresponding R. **\$33.00**

No. 5401P F&R Same as No. 5401 F&R, except copper case. **\$39.00**

No. 5401K F&R Same as No. 5401 F&R, except copper cup case. **\$48.00**

Extra Tubes and Scales and Extra Cases for Above Thermometers

No. 5400A F&R Extra tubes and scales for No. 5400 F&R. **\$24.00**

No. 5401A F&R Extra tubes and scales for Nos. 5401, 5401P and 5401K-F&R. **\$27.00**

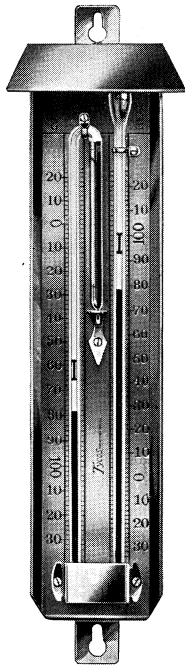
Extra japped tin cases, 12-inch size. **6.00**

Extra copper cases, 12-inch size. **12.00**

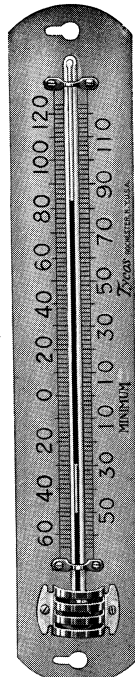
Extra copper cup cases, 12-inch size. **21.00**

(Pages 47 and 57 for V-shape wood-case thermometers).

Tycos Registering Thermometers



No. 5452



No. 5498



No. 5499

(Illustrations about one-third actual size)

Maximum-and-Minimum Registering Thermometers

These thermometers are "set" by drawing the "index" in each side of the glass tube down to the mercury column, by the use of a magnet which accompanies each instrument. As the temperature fluctuates after the thermometer has been "set," the mercury will rise in one side or the other, leaving the "index" in each case to show what has been the greatest degree of heat or cold since the last "setting."

No. 5452 *Tycos* Six's Registering Thermometer (*best grade*) **\$84.00**
 PER DOZ.
 Lacquered brass case with sides flanged forward to protect the glass tube; scale graduated directly on the face of the case; hanger at top and bottom, for attaching to wall or post; length 10 inches; temperature range 10 to 40° F. below zero to about 120 above. Each in a box. Weight per dozen about 9 pounds.

No. 5466 *Tycos* Six's Registering Thermometer (*best grade*) **96.00**
 PER DOZ.
 Same as No. 5452, except temperature range approximately 30 to 220° F.
 EXTRA—Magnets for Nos. 5452 and 5466. **7.00**

Minimum Registering Thermometers

For "setting," the thermometer is tipped until the "index" in the bore of the glass tube is in contact with the top of the spirit column. As the column falls with the change of temperature, it carries the "index" down with it, leaving it at the lowest point reached, until the thermometer is again "set." The graduations on the thermometer scale opposite the top of the "index" indicate the lowest temperature during the time between "settings." This thermometer is used in a horizontal position.

No. 5498 *Tycos* Minimum Registering Thermometer (*best grade*) **\$30.00**
 PER DOZ.
 The magnifying glass tube is mounted on a 10-inch flanged zinc back on which the scale is graduated; temperature range 20 to 60° F. below zero to about 120 above. Made in 10-inch size only. Each in a box, 12 in a carton. Weight per carton about 4½ pounds.

No. 5499 *Tycos* Minimum Registering Thermometer (*best grade*) **48.00**
 PER DOZ.
 Gray-enamelled metal case 13½ inches long over all; 9½-inch aluminum scale; plain-front glass tube etched in single degrees and figured every ten degrees; cylindrical bulb; range approximately 10 to 80° F., with expansion chamber. Each in a box, six in a carton. Weight per carton about 1½ pounds.

Tycos Registering Thermometers

(Continued from page 28)

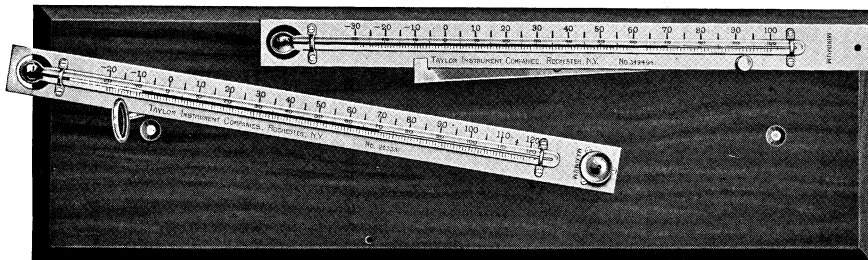


Fig. 1
No. 5516 "Set"

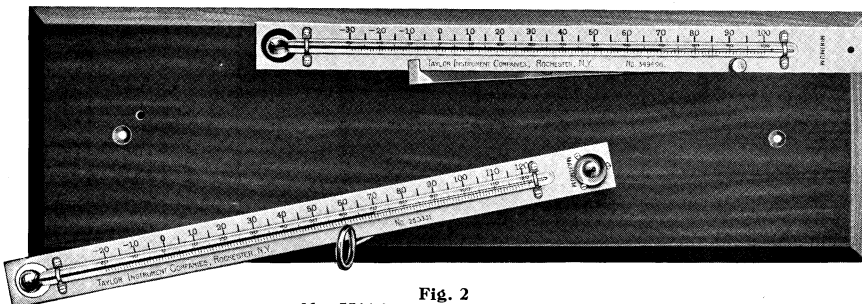


Fig. 2
No. 5516 in position for reading
(Illustrations about one-fourth actual size)

The minimum thermometer of Nos. 5516 and No. 5520 is "set" as described on the preceding page for No. 5498.

When the maximum thermometer is "set" in position as in Fig. 1, the mercury passes over the contraction in the tube just above the bulb, and falls into the bore of the tube. To take the maximum reading, the pin shown in Fig. 1 is carefully removed and placed in the lower hole, as indicated in Fig. 2, and the thermometer scale is carefully lowered until it rests again on the pin. The mercury will then rest against the contraction, and the top of the mercury column will indicate the maximum temperature since the thermometer was last "set."

After the reading has been taken, the maximum tube and scale should be lowered to a perpendicular position and if this does not unite the column of mercury with that in the bulb, whirl the scale on the pivot to which its top end is attached. When the mercury in bulb and bore have united, return the scale to the position in Fig. 1, and thermometer is "set" for the next reading.

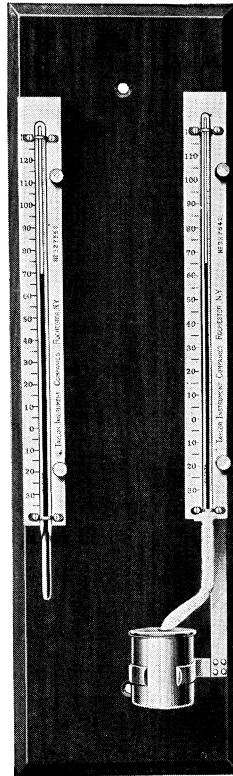
- | | | |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| No. 5516 | Tycos Maximum and Minimum Set (<i>best grade</i>) with certificates . . . | EACH
\$18.00 |
| | Engraved plain-glass tube, graduated in single degrees, with round bulb, mounted on 12-inch aluminum scale, on which are marked the figures every 10 degrees and a line every five degrees; approximate temperature range of maximum thermometer 20° F. below zero to 120 above; range of minimum thermometer 20 to 60° F. below zero to about 120 above. Minimum tube filled with uncolored spirit; brass insulating supports with binding screws; mahogany-finish board 17 inches by 5 inches. Each in a box. Weight each about 2 pounds. | |
| No. 5518 | Tycos Maximum Registering Thermometer (<i>best grade</i>) with certificate | 8.00 |
| | Plain-glass mercury-filled tube mounted on 12-inch aluminum scale, with insulating support but without board; approximate temperature range 20° F. below zero to 120 above. Each in a box. Weight each about 1/2 pound. | |
| No. 5520 | Tycos Minimum Registering Thermometer (<i>best grade</i>) with certificate | 8.00 |
| | Plain glass tube filled with uncolored spirit, mounted on 12-inch aluminum scale, with insulating support but without board; approximate temperature range 20 to 60° F. below zero to 120 above. Each in a box. Weight each about 1/2 pound. | |
| | NOTE—If No. 5518 or No. 5520 are to be used as a part of No. 5516 set, so specify in ordering. | |
| | NOTE—No. 5520 will be furnished if desired with specific range of 60 to 80° below zero (uncolored-spirit-filled tubes). Price on application. | |

Tycos Weather-Bureau Thermometers and Hygrometers



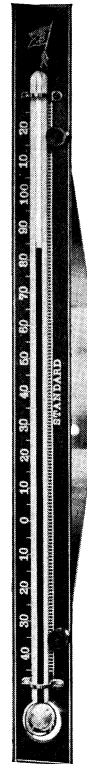
No. 5524

(About one-third actual size)



No. 5530

(About one-fourth actual size)



No. 5526

(About one-third actual size)

- EACH
- No. 5524** *Tycos* Weather-Bureau Thermometer (*best grade*), with certificate . . . \$ 8.00
Engraved mercury-filled plain-front tube, graduated in single degrees, with cylindrical bulb, mounted on 9½-inch aluminum scale on which are marked every five-degree line of the scale, and the figures every ten degrees; temperature range 10 to 40° F. below zero to about 120 above. Brass insulating supports and binding screws. Each in wood box. Weight per box about ½ pound.
- No. 5526** *Tycos* Weather-Bureau Thermometer (*best grade*), without certificate 5.00
Magnifying mercury-filled tube; temperature range 10 to 40° F. below zero to about 120 above; round bulb; white-filled figures and graduations; 12-inch black-oxidized brass scale. Each in a box. Weight per box about ½ pound.
- No. 5530** *Tycos* Weather-Bureau Hygrometer (*best grade*), with certificate . . . 21.00
Two thermometers same as No. 5524, with certificates, mounted on mahogany-finish board 17 inches by 5 inches, one connected by silk wick with nickel-plated brass cistern. Each in a box. Weight per box about 2½ pounds.

NOTE—For specific ranges of 60 to 80° F. below zero (uncolored spirit-filled tubes) for Nos. 5524 and 5526. Price on application.



Tycos Hygrometers

(Wet-and-Dry-Bulb Thermometers)

Various forms of hygrometers as listed on pages 30 and 32 to 35 have been devised for determining the amount of moisture in the atmosphere, ascertaining the relative humidity, and forecasting the probability of frost. These instruments consist of two thermometers as nearly alike as possible in range of scale, mounted side by side with a cistern of water between. The thermometer marked *dry* is exposed to the air; the other, marked *wet*, has its bulb surrounded by a piece of silk which passes down into the opening of the cistern, acting as a wick and keeping the bulb of the thermometer constantly moist. As evaporation causes loss of heat, the wet-bulb thermometer will read lower than the other, provided there is any degree of dryness in the air. When the air is very dry the difference in their readings will be great; if moist, the difference will be proportionately less; but if the air is fully saturated both thermometers will read alike, as there can then be no evaporation.

By the use of U. S. Weather Bureau tables and directions for determining humidity, etc. the point at which the air would begin to deposit moisture, known as the dew point, and the percentage of saturation of the air (humidity) are readily ascertained. If complete tables are desired, apply to the United States Department of Agriculture, Weather Bureau, Washington, D. C. for Psychrometric Tables W. B. No. 235; price 10 cents.

No tables are necessary when the "Hygrodeik" (page 33) or the "Hygro-Autometer" (page 32) are used.

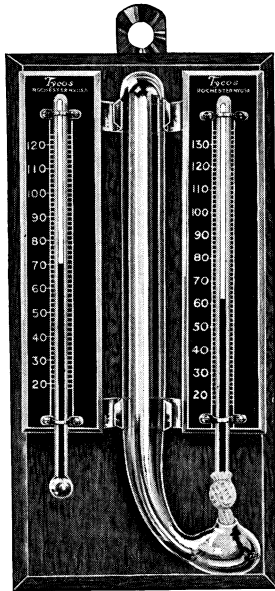
Dew is formed by the radiation of heat from the surface of trees, plants, etc., which reduces the temperature of the air near the immediate surface of such objects to the point of complete saturation, causing moisture to be deposited. The hygrometer, therefore, becomes of the greatest value to the farmer and florist, since in the hands of an intelligent observer the formation of frost can be foretold with certainty, enabling him to take steps to prevent damage to delicate plants exposed to the open air. If the temperature of the air on a clear day at sundown be 50° and the reading of the wet-bulb thermometer 40° , the dew point according to the tables referred to would be 27° , and frost would follow with certainty; but should the wet-bulb thermometer stand at 47° and the temperature of the air at 50° , then the dew point would be reached at 44° and no frost need be feared.

Hygrometers in school, office, factory or home tell whether the air contains the proper amount of moisture. Attention to this important though greatly neglected matter not only assures better and purer air to breathe while indoors, but lessens to a great degree the chance of taking cold when going out. It has been proven that a room in which the air contains the proper amount of moisture is comfortable at several degrees lower temperature than one in which the air is too dry. For health and efficiency the temperature should be kept at 68° F. and the humidity at 50%.

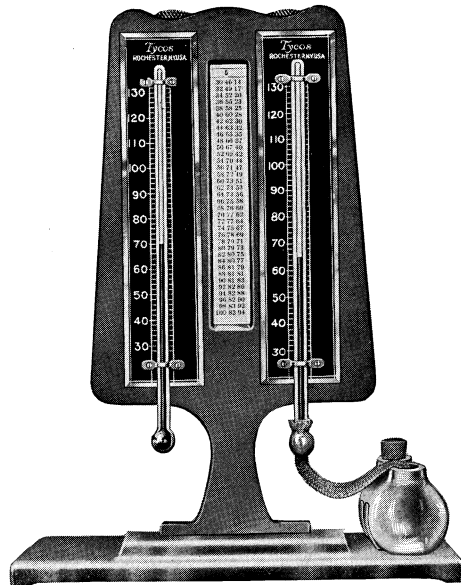
In many industrial applications also, as cotton carding, incubating, drying rooms, malt houses, greenhouses, etc., hygrometers are coming to be recognized as indispensable.



Tycos Hygrometers



No. 5532



No. 5558

(Illustrations about one-half actual size)

For determining the relative and absolute humidity and dew point, and for foretelling frosts. Each instrument supplied with copy of U. S. Weather Bureau tables and directions for determining humidity, etc. For complete tables apply to U. S. Department of Agriculture, Weather Bureau, Washington, D. C., for Psychrometric Tables, W. B. No. 235. Price, 10 cents. EACH

- No. 5532 *Tycos* Mason's-Form Hygrometer (*best grade*) **\$5.00**
Magnifying mercury-filled thermometer tubes; black-oxidized brass scales with white-filled figures and graduations; insulating brass supports. Approximate temperature range 30 to 120° F.; glass siphon water bottle; wick; mahogany-finish board, size 8½ inches by 4½ inches. Each in a box. Weight per box about 1 pound.
- No. 5532S *Tycos* Mason's-Form "Permacolor" Hygrometer (*best grade*) **5.00**
Magnifying glass thermometer tubes are filled with non-fading easy-reading red liquid. Otherwise same as No. 5532.
- No. 5533 Same as No. 5532, except on metal panel and approximate temperature range 60 to 220° F. Each in a box. Weight per box about 1¼ pounds. **6.00**
- No. 5558 *Tycos* Hygro-Autometer (*best grade*) **16.00**
Spattered-green-finished brass frame; size 9 by 7¾ by 3 inches; magnifying mercury-filled thermometer tubes; black-oxidized brass scales; glass water cistern; wick; approximate temperature range 30 to 120° F. Each in a box. Weight each about 4¼ pounds.

The Hygro-Autometer works on the same principle as the Mason's-Form Hygrometer, but has an easy-reading feature which makes reference to separate tables unnecessary.

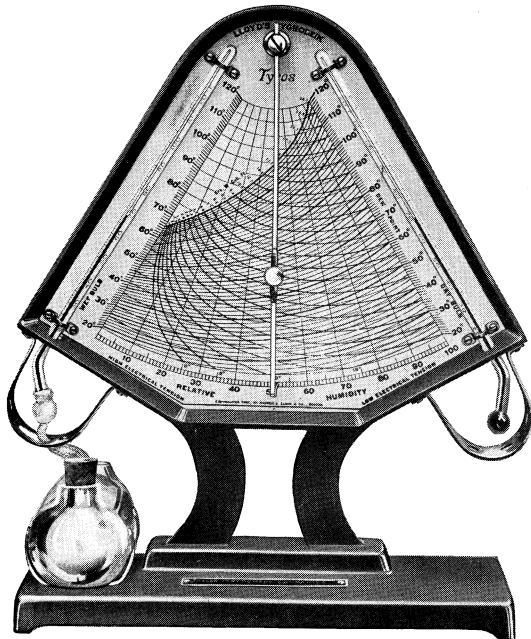
To find the relative humidity, turn the roll until the number at the head of the column corresponds with the difference of the readings of the wet-bulb and dry-bulb thermometers; then follow the first row of figures down the column to the number corresponding with the reading of the dry bulb. The figures on the same line in the second row will indicate the relative humidity, and in the third row the dew point.

Extras for above Instruments

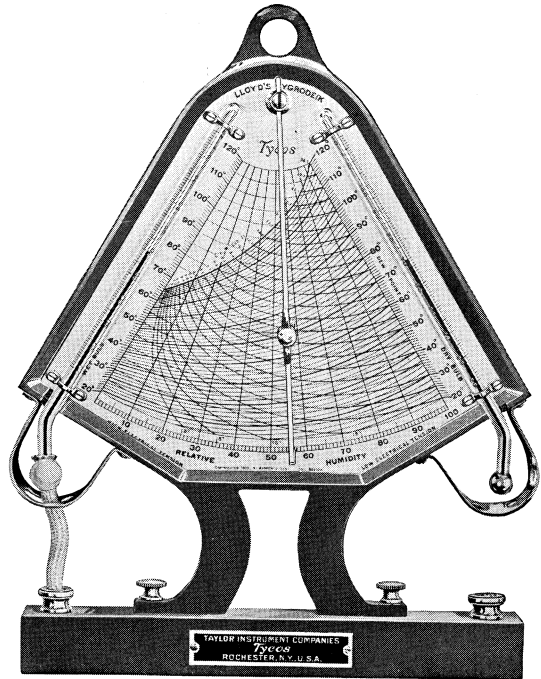
Extra Wicks for Nos. 5532, 5532S, 5533 or 5558 (not furnished in less than dozen lots)	PER DOZ. \$1.50
Extra Tube and Scale for Nos. 5532, 5532S or 5558	EACH \$2.00
Extra Tube and Scale for No. 5533	2.25
Extra Water Cisterns for Nos. 5532, 5532S, 5533 or 5558 . . . . .	.50



Hygrodeiks



†No. 1300A
Standing-form Hygrodeik



†No. 1305
Hanging-form Hygrodeik

(Illustrations about one-third actual size)

The Hygrodeik is a Wet-and-Dry-Bulb Hygrometer with the thermometer tubes mounted on a chart, on the side margins of which the temperature ranges are engraved. These correspond closely to the accurate scales engraved on the thermometers and the existing humidity can be read off the chart without reference to tables.

To find the relative humidity, swing the index hand to the scale at the left of the chart and set the sliding pointer at the degree line on the chart which corresponds to the temperature shown upon the engraved stem of the wet-bulb thermometer. Then swing the index hand to the right until the sliding pointer intersects the curved line which extends downward to the left from the degree line upon the chart corresponding to the indicated temperature of the dry-bulb thermometer. At this intersection the index hand will point to the relative humidity on the scale at the bottom of the chart.

†No. 1300A	Tycos Standing-form Hygrodeik (<i>best grade</i>).....	EACH	\$17.50
	Nickel-silver-finish dial; gray-enameled-brass frame; size 10 x 7¾ x 3 inches; engraved, magnifying, mercury-filled thermometer tubes; glass cistern; wick; approximate temperature range 30 to 120° F. Each in a box. Weight per box about 3½ pounds.		
†No. 1301A	Same as No. 1300A, except temperature range 80 to 180° F.....		17.50
†No. 1305	Tycos Hanging-form Hygrodeik (<i>best grade</i>).....		19.50
	Nickel-silver-finish dial; gray-enameled-brass frame; size 10½ x 8 x 3 inches; engraved, magnifying mercury-filled thermometer tubes; brass cistern; wick; approximate temperature range 30 to 120° F. Each in a box. Weight per box about 3½ pounds.		
†No. 1306	Same as No. 1305, except temperature range 80 to 180° F.....		19.50
	†Extra Engraved Wet-Bulb Thermometer for Hygrodeik		3.25
	†Extra Engraved Dry-Bulb Thermometer for Hygrodeik		3.25
	†Extra Wicks for Hygrodeik (not furnished in less than dozen lots).....	PER DOZ.	\$1.50
	†Extra water cisterns for Nos. 1300A and 1301A.....	EACH	.50



Sling Psychrometers

The *Tycos* Sling Psychrometer is a modification of the pattern developed by the U. S. Weather Bureau. The fact that our design has been generally copied is good evidence of its practicable features.

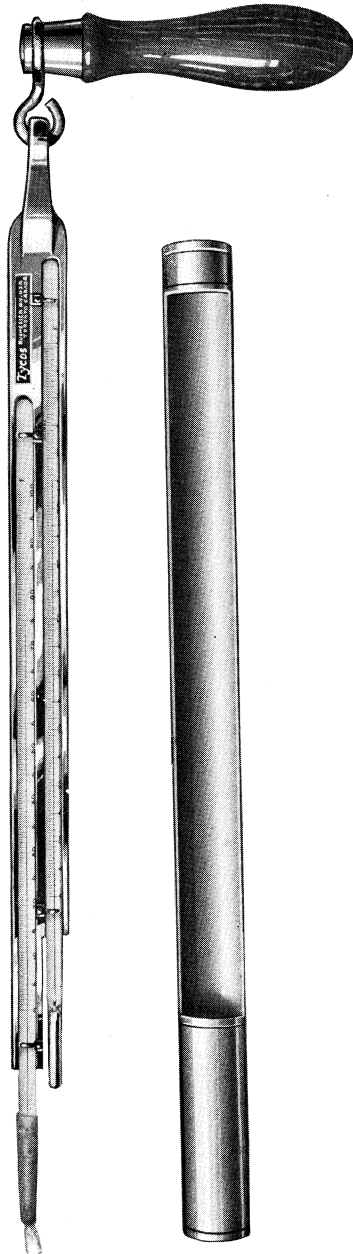
The advantage of this form of Wet-and-Dry-Bulb Hygrometer over the stationary form is the facility with which tests can be made and the accuracy of the readings obtainable, as in whirling the bulbs they are subjected to perfect circulation.

Directions for Use

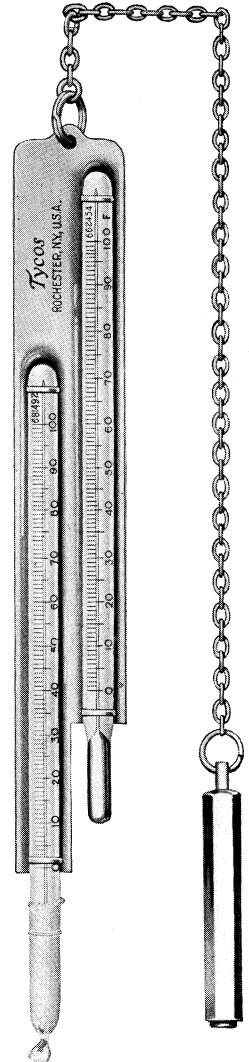
Saturate the fabric covering the extended bulb in a glass of clean water the temperature of which is as nearly as possible the same as that of the room in which the test is being made. Then whirl the instrument for 15 or 20 seconds, holding it away from the influence of the body heat. Stop and note the indication of wet-bulb thermometer, then repeat the operation until two or more readings agree, to insure the lowest indication obtainable. To secure reliable indications the wicking must be kept perfectly clean and thoroughly saturated.

To Determine Humidity with the *Tycos* Sling Psychrometer, for Temperatures Below the Freezing Point

At temperatures below freezing the wet-bulb thermometer must be treated in the following manner: With a camel's-hair brush apply water sparingly to the bulb; a thin coating of ice will be formed on the fabric covering the bulb, and evaporation from the frozen surface will go on as before.



†No. 1322
(About three-eighths actual size)



†No. 1323
(About three-fifths actual size)

†No. 1322 *Tycos* Sling Psychrometer (*best grade*) EACH \$11.50

With 12-inch engraved thermometers, graduated 0 to 100° Fahrenheit, in ½° graduations; with copper case to protect thermometer tubes when not in use. Each in a box. Weight per box about 1½ pounds.

†No. 1322A Extra Engraved Thermometers for No. 1322 4.00

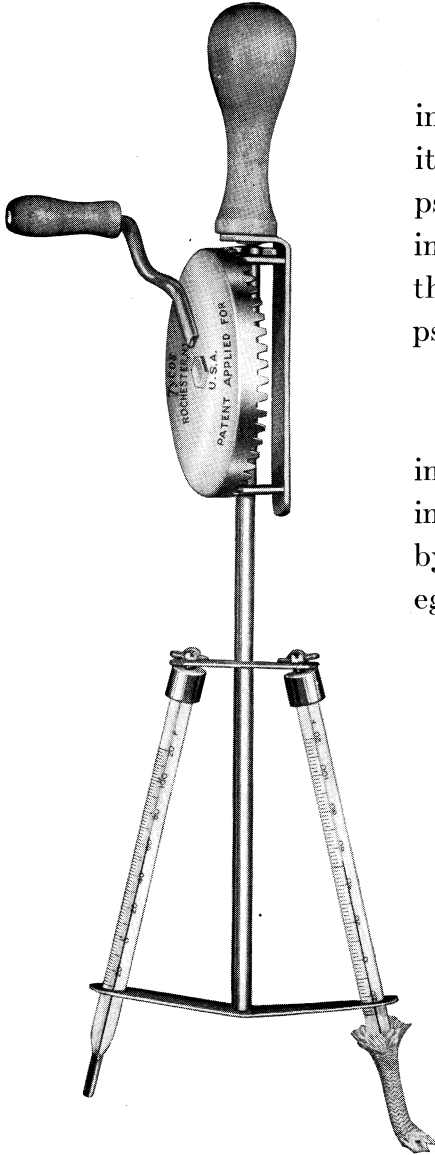
†No. 1323 *Tycos* Pocket Sling Psychrometer 13.50

With chain sling; 7 inches long; 5-inch engraved thermometers, graduated 0 to 100° Fahrenheit, in 1° graduations; in leather carrying case. Each in a box. Weight per box about ¼ pounds.

†No. 1323A Extra Engraved Thermometers for No. 1323 4.00



Tycos Rotary-Type Psychrometer



No. 1325

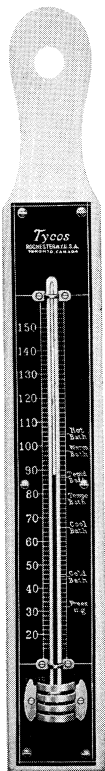
This instrument has been developed for taking the humidity where there is not room, or where it is inconvenient for any reason to operate a sling psychrometer, as for example under benches or tables in greenhouses. The same perfect circulation to the thermometer bulbs is obtained as when a sling psychrometer is used.

Consists of two engraved thermometers $5\frac{1}{2}$ inches long and with range 0 to 220° F., mounted in such a manner that they can be rotated rapidly by turning a handle, similar to the operation of an egg beater.

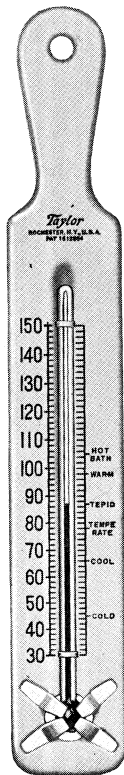
NOTE—With each Rotary-Type Psychrometer we supply copy of U. S. Weather Bureau tables and directions for determining humidity, etc. If complete tables are desired, apply to United States Department of Agriculture, Weather Bureau, Washington, D. C., for Psychrometric Tables, W. B. No. 235. Price 10 cents.

NO.		EACH
†1325	Tycos Rotary-Type Psychrometer.....	\$10.00
	With $5\frac{1}{2}$ -inch engraved thermometers, range 0 to 220° F. in 2° divisions. Each in a box. Weight $1\frac{1}{2}$ pounds.	
NO.		
†21,419	Engraved Thermometers only; range 0 to 220° F.; for No. 1325.....	2.75
	NOTE—Thermometers for No. 1325 will be furnished if so specified when ordering, with temperature range 30° F. below zero to 120 above.	
		PER DOZ.
	EXTRA—Wicks for No. 1325 (not furnished in less than dozen lots).....	\$1.50

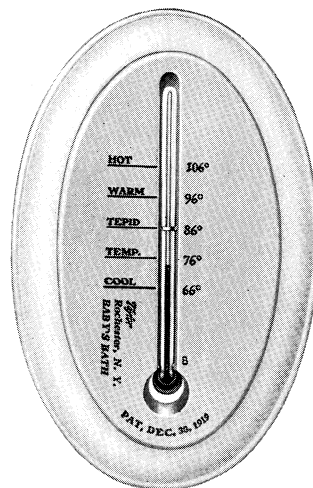
Bath Thermometers



No. 5588



No. 5608S



Nos. 5610SB and 5610SP

- | | | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| No. 5588 | <i>Tyco's</i> Bath Thermometer (<i>best grade</i>) | PER DOZ.
\$24.00 |
| | Twelve-inch white-enameled wood frame with shaped handle; black-oxidized brass scale with white-filled figures and graduations; magnifying mercury-filled glass tube; approximate temperature range 30 to 150° F. Each in a box, six in a carton. Weight per carton about 2¼ pounds. | |
| No. 5608S | <i>Taylor</i> "Permacolor" Bath Thermometer (<i>medium grade</i>) | 18.00 |
| | Vitreous-white-enameled metal back with shaped handle; 8 inches long; magnifying glass tube filled with red liquid (non-fading and easy-reading); approximate temperature range 30 to 150° F. Each in a box, 12 in a carton. Weight per carton about 3¼ pounds. | |
| No. 5610SB | <i>Taylor</i> "Permacolor" Baby-Bath Thermometer "BABY-BLUE" Finish (<i>medium grade</i>) | 12.00 |
| | Is the shape and size of an oval cake of soap; just fits the hand; floats on the water when not in use; magnifying tube is filled with red liquid (non-fading and easy-reading); the tube and bulb are thoroughly protected by being sunk in the "BABY-BLUE"-finished wood block; approximate temperature range 66° to 106° F.; outline of a duck on the reverse. Each in an attractive lithographed slip-cover gift box, twelve in a carton. Weight per dozen about 2½ pounds. | |
| No. 5610SP | Similar to No. 5610SB, but "BABY-PINK" finish | 12.00 |



Display Thermometers

These thermometers are popular for use on busy corners, at the entrance to stores, apartment houses and hotels, in hotel lobbies; in fact wherever the public can refer to them readily.

Although the three numbers are very different in their style and finish, they all have their advantages and all have magnifying glass tubes, filled with non-fading easy-reading red liquid.

No. 5684S Tycos "Permacolor" Cylindrical-Case Display Thermometer (*best grade*)..... EACH \$80.00

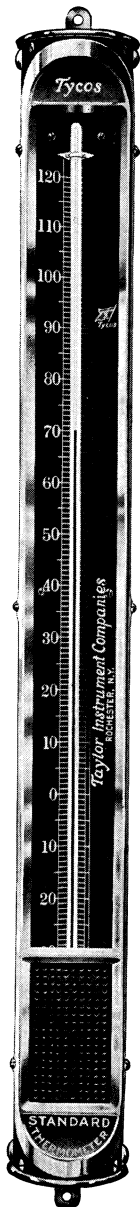
The case is a heavy, half-round brass cylinder with heavy-glass front protecting the black-oxidized brass scale with its white-filled figures and graduations; approximate temperature range 40 to 60° F. below zero to 120 above; size 30 by 3½ inches. Glass tube is of first selection and is guaranteed accurate to within one degree. Each in a box. Weight per box about 14¼ pounds.

No. 5690S "Permacolor" Wood-Back Display Thermometer EACH NET (\$ordinary grade)..... \$7.50

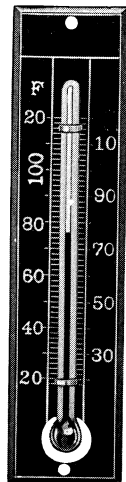
Although this is the cheapest of these three display thermometers, it is a popular number with the average retail store. Lettered at bottom as illustrated. The customer's name will be imprinted at top, above thermometer tube, if requested. Size is 39" x 6"; black figures, graduations and lettering; temperature range 40 to 60° F. below zero to about 120 above. Guaranteed accurate to within two degrees. Each in a box. Weight per box about seven pounds.

No. 5692S Tycos "Permacolor" Bronze-Case Display Ther- EACH mometer (*best grade*)..... \$50.00

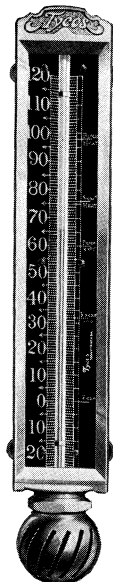
Heavy solid-bronze V-shape case with heavy glass front protecting the glass tube and black-oxidized brass scale with its white-filled figures and graduations; temperature range 40 to 60° F. below zero to about 120 above; length of scale 12 inches; over-all length 17 inches. Popular with hotels for use in the lobby or at the entrance. Guaranteed accurate to within one degree. Each in a box. Weight per box about seven pounds.



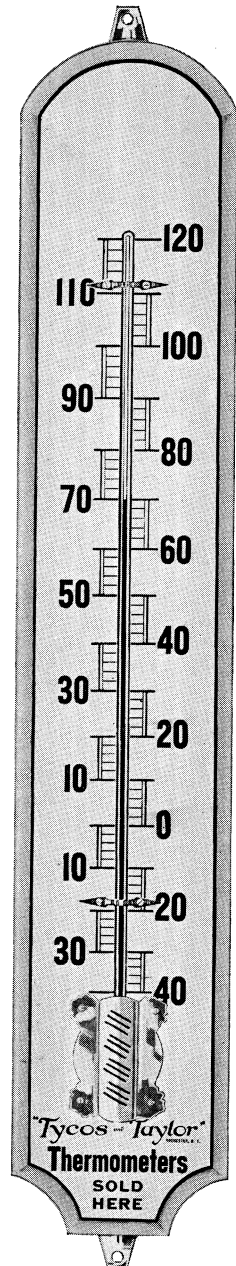
No. 5684S



No. 5656S



No. 5692S



No. 5690S

Decorative Thermometer Scales

No. 5656S Metal Decorative Thermometer Scales 3-INCH 3½-INCH PER DOZ. (\$extra grade)..... \$10.00 \$11.00

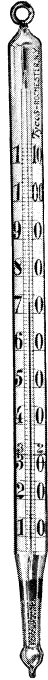
Black-oxidized brass scale, with white-filled figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; approximate temperature range 20 to 120° F. Loose in sawdust, 1 to 6 dozen in a box. Weight per dozen about one pound.



Dairy Thermometers



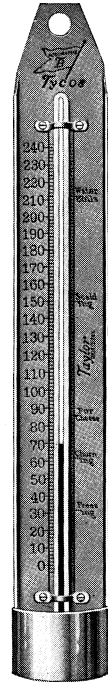
†No. 21,884



No. 5700



No. 5701



No. 5705

(Illustrations about one-third actual size)

From the time the milk comes from the cow it must pass from one definite temperature to another, if that firm, smooth, fine-grained butter that commands the highest price is to result. Temperature is almost the one item in successful butter making that absolutely will not allow of guess-work or neglect. An accurate churn and pasteurizing thermometer should be the butter-maker's constant companion, advising him truthfully of the condition of the milk or cream with which he is working. Without this knowledge he is "going it blind" and cannot hope to produce uniform results in a series of operations. With a *Tycos* Dairy Thermometer every step in butter making is taken with knowledge and for a reason, and the result can be practically determined beforehand.

†No. 21,884	<i>Tycos</i> Armored Milk-Testing Thermometer (<i>best grade</i>)	EACH \$6.00
	Engraved glass tube in strong nickel-plated brass armor, milled out to expose the scale, and perforated around the thermometer bulb; approximate temperature range 30 to 150° F. in 1 degree graduations. Red figures at 40° and 145°. Length 8 inches.	
†No. 21,885	Thermometer only for No. 21,884; without armor	3.00
		PER DOZ.
No. 5700	<i>Tycos</i> Floating Glass Churn Thermometer (<i>best grade</i>)	\$24.00
	Glass cylinder; paper scale; 1° graduations; accurate within one division of the scale; mercury-filled tube; shot weighted; guaranteed to float upright in milk; 10 inches long; approximate temperature range 10 to 110° F. One dozen in a carton. Weight per carton about 1 pound.	
No. 5701	<i>Tycos</i> Floating Glass Pasteurizing Thermometer (<i>best grade</i>)	24.00
	Glass cylinder; paper scale; 2° graduations; accurate within one division of the scale, mercury-filled tube; approximate temperature range 30 to 220° F.; 10 inches long. One dozen in a carton. Weight per carton about 1 pound.	
No. 5702	<i>Taylor</i> Imported Floating Glass Churn Thermometer	10.00
	Similar to No. 5700, except best grade obtainable on import.	
No. 5703	<i>Taylor</i> Imported Floating Glass Pasteurizing Thermometer	10.00
	Similar to No. 5701, except best grade obtainable on import.	
No. 5705	<i>Tycos</i> Flanged-Metal-Scale Churn and Pasteurizing Thermometer (<i>best grade</i>)	24.00
	Ten-inch electro-silver-plated scale; gold-plated straps and screws; magnifying mercury-filled tube; sliding guard; approximate temperature range 0 to 220° F. One dozen in a carton. Weight per carton about 3¾ pounds.	

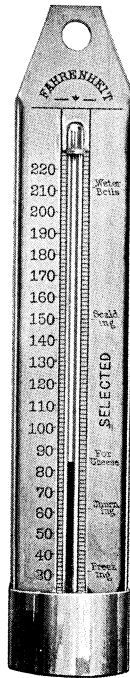


Dairy Thermometers

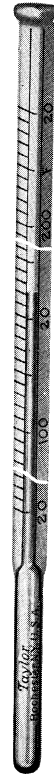
(Continued from page 38)



No. 5715-5715S



No. 5740S



No. 6108S

- | | | |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| No. 5715 | Floating Glass Dairy Thermometer (<i>ordinary grade</i>) | PER DOZ.
\$ 4.00 |
| | Approximate temperature range 30 to 220° F.; length eight inches; flat printed paper scale inside glass cylinder; mercury-filled tube. One dozen in a carton. Weight per carton about ¾ of a pound. | |
| No. 5715S | Same as No. 5715, except tubes filled with red liquid. | 4.00 |
| No. 5740S | Flanged-Metal-Scale "Permacolor" Dairy Thermometer (<i>selected-ordinary grade</i>) | 11.00 |
| | Nickel-finish brass scale; sliding copper bulb guard; white-back magnifying tube filled with non-fading easy-reading red liquid; approximate temperature range 20 to 220° F.; length 8 inches. Each in a box, 1 dozen in a carton. Weight per carton about 1½ pounds. | |
| No. 6108S | "Permacolor" Pasteurizing and Sterilizing Thermometer (<i>ordinary grade</i>) | 24.00 |
| | Engraved magnifying tube filled with non-fading easy-reading red liquid; approximate temperature range 20 to 220° F. in 2° divisions; length 9 inches. Each in a turned wood box. | |



Lactometers (Milk Hydrometers)

What is said regarding the importance of accurate thermometers in butter-making and all dairy processes (*page 38*), applies also to lactometers (milk hydrometers).

It is not sufficient to use *any* milk hydrometer, but since they all look about alike, the dairyman's insurance of an accurate instrument, one which will guarantee satisfactory results, must depend on the maker's name standing for long experience, expert workmen, and everything that goes into the making of a dependable instrument.

The *Tycos* Lactometers listed on this page bear the name of the *Taylor Instrument Companies* and meet all the above conditions of a dependable milk hydrometer.

Thermo-Hydrometers

(Thermometer and Hydrometer Combined)

(See *page 76* for illustrations)

†No. 22,530	<i>Tycos</i> Lactometer (<i>best grade</i>)	EACH \$6.25
	Specifications according to New York State Board of Health (Spence's Scale) Improved Pattern. Handwritten scale 0 to 120° F. in 2° graduations; standardized at 60° F.; thirteen inches long; mercury weighted; thermometer and correction scale. Each in a box, ½ dozen in a carton. Weight per carton about 3 pounds.	
†No. 22,532	<i>Tycos</i> Lactodensimeter (<i>best grade</i>)	6.25
	Quevenne's Improved Pattern, for milk. Handwritten scale, 14 to 42° F. (1.014 to 1.042 Sp. Gr.) in .001 graduations; standardized at 60° F.; thermometer in top of stem; thirteen inches long; mercury weighted. Each in a box, ½ dozen in a carton. Weight per carton about 3 pounds.	



Tycos Incubator Thermometers

Success in operating an incubator depends more upon the accuracy of the thermometer and the proper control of temperature than upon any other one thing. Thermometers are scientific instruments and are accurate or inaccurate, reliable or unreliable, according to the intelligence and honesty of the manufacturer. The qualities which count most for accuracy and reliability are hidden to the eye, and the lack of these qualities therefore is not apparent.

“Seasoning” the Tube

It is a fact not well known but nevertheless true, that glass shrinks with age, after extreme heating. This shrinkage is a factor of the most vital importance in the permanent accuracy of a thermometer.

After being filled with mercury, *Tycos* Incubator Thermometers are laid away in a vault to “age,” that the shrinkage may take place before the tube is “pointed” and sealed.

This “shrinking” or “aging” process is expensive, but no expense is spared to make *Tycos* Thermometers as good as possible.

Thermometers which are not properly “aged” frequently show errors of more than two degrees.

Other Reasons for Accuracy

Tycos Incubator Thermometers are filled with the purest of distilled mercury. Impure mercury will stick to the side of the bore in the tube and cause inaccurate readings. No “sticky” thermometer tube is ever marked *Tycos*.

Every particle of air is exhausted from the tube before it is sealed, otherwise separation of the mercury column would be likely to result, or the surface of the mercury to oxidize in time, causing it to cling to the side of the bore in the tube.

With many thermometers the failure of the mercury to “draw back” is a common defect. If the thermometer is placed in a horizontal or semi-horizontal position the mercury will cling to the bore at the highest point and not “draw back” as the temperature falls. For example, the temperature rises to say 106 degrees, and then drops to 103 degrees. The column clinging to the bore will not “draw back,” but continues to show 106 degrees.

Tycos Incubator Thermometers are always furnished with mercury-filled tubes, which are guaranteed to “draw back” in any position from perpendicular to horizontal.

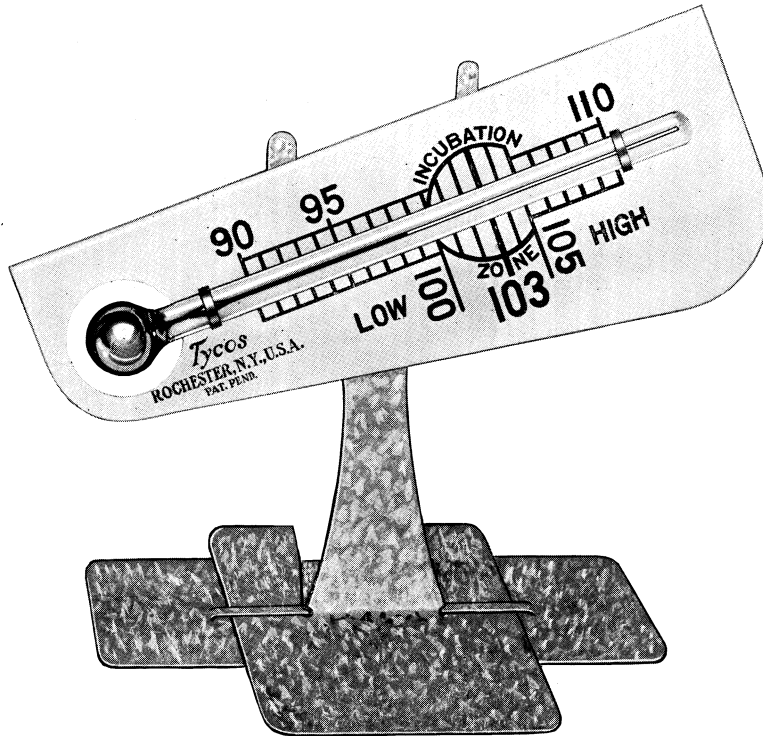
“Pointing” the Tube

Tycos tubes, after “shrinking,” or “aging,” are “pointed”, and each metal scale is divided to agree exactly with the “test points” of its individual tube.

Each tube has its own scale, and every division line upon that scale is cut separately. If a tube be broken after the metal scale is divided and finished, the scale is thrown away, as it is practically impossible to accurately fit a second tube to any scale, and *Tycos* quality does not admit of inaccuracies.

The finished *Tycos* Thermometer, before it goes on the market, is compared with standard instruments, under exact incubator conditions of temperature.

Tycos "Incubation-Zone" Thermometers



No. 5776
(Actual size)

The Tycos "Incubation-Zone" Thermometer has been developed to simplify temperature observation in incubators and to make clear to the user the zone of temperature within which incubation may be carried on safely.

If when reading the thermometer it is seen that the mercury is approaching the outer edges of the INCUBATION ZONE it is immediately apparent that the temperature is getting too high or too low.

The INCUBATION ZONE simplifies the holding of the temperature within the safe limits which are plainly defined.

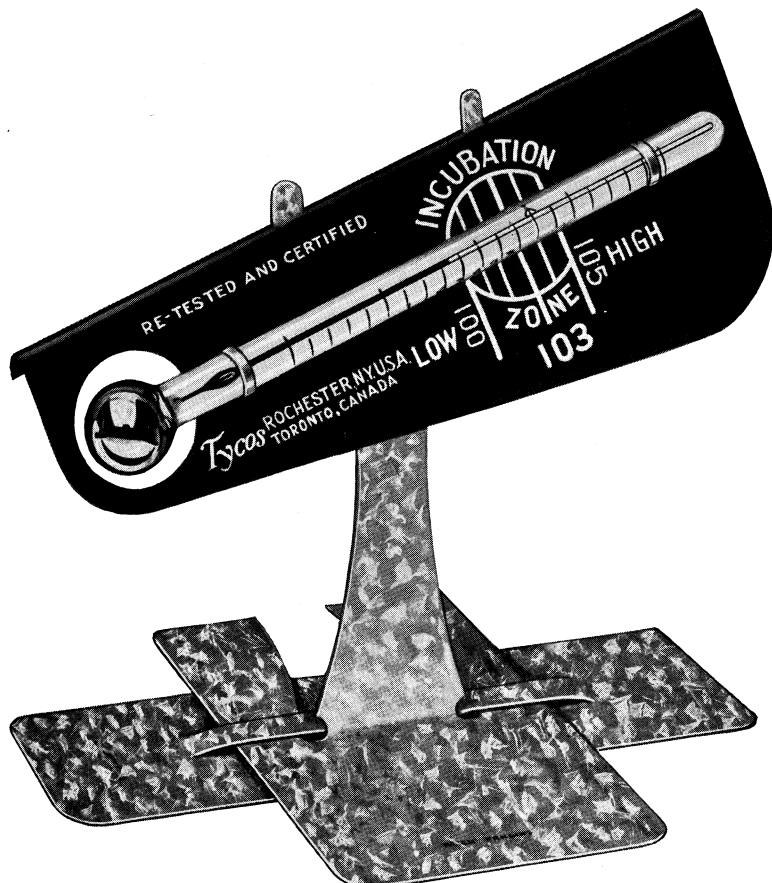
In the dark interior of the incubator the white-enameled scale reflecting light makes the reading of the thermometer very easy, a decided improvement over the types now in general use.

No. 5776 Tycos "Incubation-Zone" Thermometer **PER DOZ. \$9.00**

Four-inch angle-pattern white-enameled metal scale, with black figures and graduations; magnifying mercury-filled tube; flanged on upper edge of scale to hook over wire or metal strip if it is desired to use the thermometer without the stand which accompanies each one; Incubation-Zone outlined between the 100° and 105° points on the scale and the proper incubating temperature (103°) conspicuously featured. Each in a box, one dozen in a carton. Weight per dozen about 2 pounds.



Tycos Certified "Incubation-Zone" Thermometers

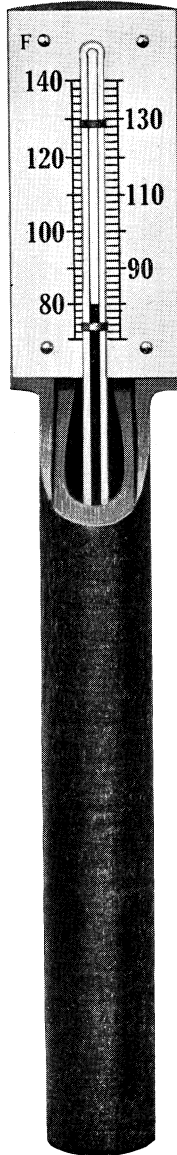


No. 5783
(Actual size)

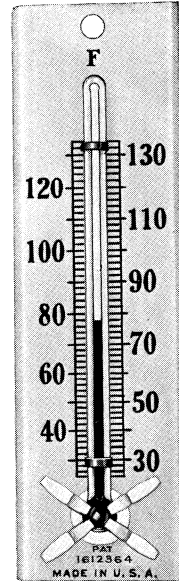
No. 5783 Tycos Certified "Incubation-Zone" Thermometer, with stand **\$14.00** PER DOZ.

Four-inch angle-pattern black-oxidized metal scale with white-filled figures and graduations; magnifying mercury-filled tube; flange on upper edge of scale to hook over wire or metal strip if it is desired to use without the stand. Every single degree is engraved on the thermometer tube, with every fifth line and figures stamped in scale. Each thermometer retested and certified. Each in a box with certificate, one dozen in a carton. Weight per dozen about 2 pounds.

Brooder Thermometers



No. 5792S



No. 5794S

(Illustrations two-thirds actual size)

No. 5794S Ordinary-Grade "Permacolor"
Brooder Thermometer **\$6.50**

PER DOZ.

White-lithographed metal scale 4½ inches long, with black figures and graduations; plain tube filled with red liquid (non-fading and easy-reading); temperature range 10 to 30° to 130 or 140° F.; rosette bulb guard. Each in a box, 1 dozen in a carton. Weight per dozen about ¾ of a pound.

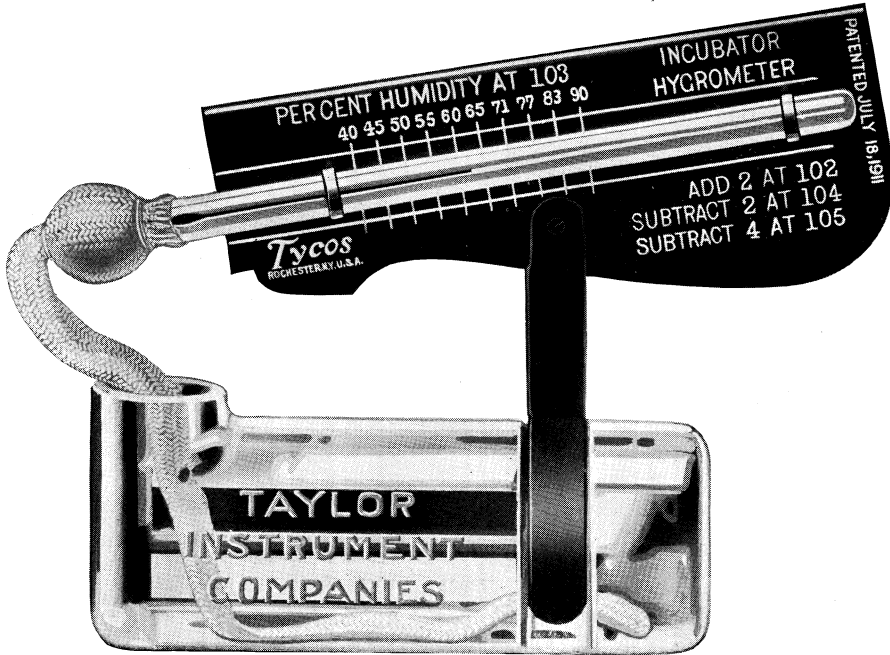
No. 5792S Ordinary-Grade Brooder Thermometer **\$10.00**

PER DOZ.

Designed for inserting through a hole in the top of the brooder, the bulb being in the actual brooder temperature, and the scale outside for easy reading. White-lithographed metal scale with black figures and graduations; magnifying tube filled with non-fading easy-reading red liquid, and mounted on flat side of half-round wood frame; temperature range 50 to 70° to 130 or 150° F. Length nine inches. Bulb fully protected. Each in a box, one dozen in a carton. Weight per dozen about 2 pounds.



Tycos Incubator Hygrometers



No. 5796
(Actual size)

Millions of chicks die in the shell every year because of improper moisture conditions. The importance of a correct percentage of moisture during incubation has made the *Tycos* Incubator Hygrometer as necessary as the *Tycos* Incubator Thermometer. Neither takes the place of the other, but together they give the practical poultry raiser all the facts required for successfully regulating the heat and moisture of his incubator.

The *Tycos* Incubator Hygrometer *is not a regulator* of moisture, but in conjunction with the *Tycos* Incubator Thermometer *is an indicator* of moisture present in the incubator, showing exactly what the conditions are, so that if not correct they may be made so.

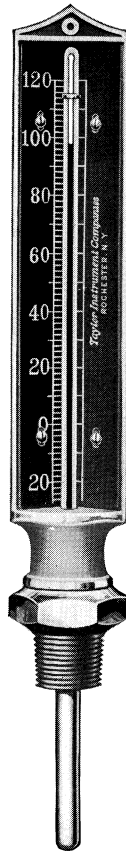
No. 5796 *Tycos* Incubator Hygrometer (*best grade*)..... **\$20.00** PER DOZ.

Stands $3\frac{3}{4}$ inches high and is $4\frac{1}{2}$ inches wide over all; $3\frac{1}{2}$ -inch black-oxidized brass scale with white-filled figures and graduations; glass cistern; wick. Each in a box with complete directions. Weight per dozen about 7 pounds.

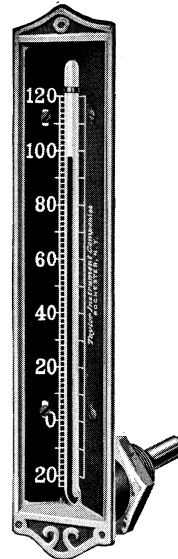
Extra wicks for No. 5796 (not furnished in less than dozen lots)..... **\$1.50** PER DOZ.

Extra glass cisterns for No. 5796..... **.50** EACH

Brine-Pipe Thermometers



No. 5880



No. 5890

(Illustrations about one-third actual size)

- | | | |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| No. 5880 | Taylor Straight-Stem Brine-Pipe Thermometer (<i>medium grade</i>) | <small>EACH</small>
\$12.50 |
| | Seven-inch V-shape iron case; bulb-stem 3½-inches including thread; ¾-inch "national" pipe-thread; black-oxidized brass scales with white-filled figures and graduations; heavy, magnifying, mercury-filled tube; approximate temperature range minus 20 to +120°F. Each in a box. Weight per box about 1½ pounds. | |
| No. 5882 | Same as No. 5880, except nine-inch case. Weight about 2 pounds | 14.00 |
| No. 5888 | Taylor Angle-Stem Brine-Pipe Thermometer (<i>medium grade</i>) | 14.00 |
| | Seven-inch V-shaped iron case; bulb-stem 3½-inches including thread; ¾-inch "national" pipe-thread; black-oxidized brass scales with white-filled figures and graduations; heavy, magnifying, mercury-filled tube; approximate temperature range minus 20 to +120° F. Each in a box. Weight per box about 1¾ pounds. | |
| No. 5890 | Same as No. 5888, except nine-inch case. Weight about 2 pounds | 15.00 |

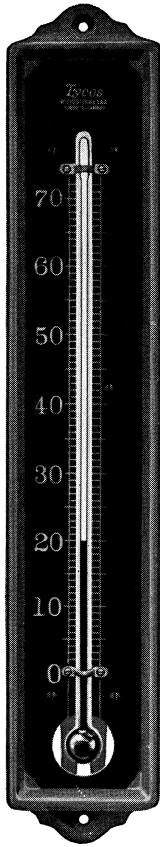
Extras for Above Thermometers

- | | | |
|-----|-----------------------------------------------------------------|----------------------|
| "U" | Union connection, ¾-inch standard pipe-thread | \$4.50 |
| "B" | Bronze front with glass | 3.50 |
| | For greater length of stem up to six inches | 3.50 |
| | For stems of greater length than 6 inches | PRICE ON APPLICATION |
| | One-half-inch standard pipe-thread, instead of ¾-inch | NO EXTRA |

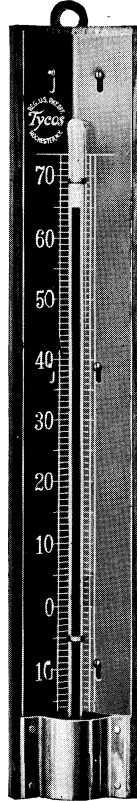
NOTE—Thermometers listed above are not satisfactory for use on pressures above 50 pounds. When thermometers are required for higher pressures write for industrial-thermometer catalogs, stating nature of application.



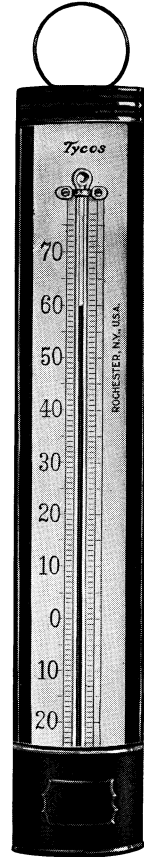
Cold-Storage-Room Thermometers



†No. 1107S
(About two-sevenths actual size)



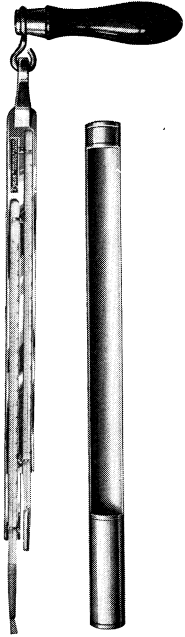
†No. 1113S
(About one-third actual size)



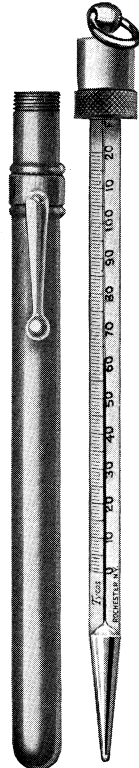
No. 5403S
(About one-third actual size)

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| | PER DOZ. |
| †No. 1107S <i>Tycoos</i> "Permacolor" Enameled-Iron-Case Thermometer (<i>best grade</i>) | \$35.00 |
| Twelve-inch iron case finished gray enamel; oxidized-brass scale with large silver-deposited figures and graduations; large magnifying tube filled with non-fading easy-reading red liquid; approximate temperature range 0 to 70° F. in 1° graduations. Each in a box. Weight per dozen about 28½ pounds. | |
| †No. 1108S Same as No. 1107S, except with approximate temperature range 20° below zero to 120 F. above, in 2° graduations | 35.00 |
| †No. 1111S Same as No. 1107S, except with approximate temperature range 20° below zero to 70 F. above, in 1° graduations | 35.00 |
| †No. 1113S <i>Tycoos</i> Wood-Back Thermometer (<i>best grade</i>) | 30.00 |
| Twelve-inch V-shape wood back; silvered-brass scale with black-filled figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; approximate temperature range 20° below zero to 80 F. above, in 1° graduations. Each in a box, ½ dozen in a carton. Weight per carton about four pounds. | |
| No. 5403S <i>Tycoos</i> "Permacolor" Japanned-Tin-Case Thermometer (<i>best grade</i>) | 33.00 |
| Twelve-inch black-japanned heavy tin case; silvered-brass scale; magnifying tube filled with non-fading easy-reading red liquid; approximate temperature range 20° below zero to 70 F. above, in 1° graduations. Each in a box, ½ dozen in a carton. Weight per carton about 3½ pounds. | |
| No. 5403PS <i>Tycoos</i> Copper-Case Thermometer (<i>best grade</i>) | 39.00 |
| Same as No. 5403S, except copper case. Each in a box, ½ dozen in a carton. Weight per carton about 3¾ pounds. | |

Refrigeration Instruments



†No. 1322



†No. 21,860



†No. 22,070

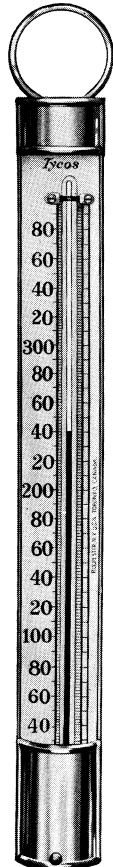


†No. 22,282

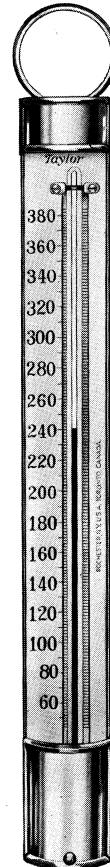
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|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| †No. 21,860 | <i>Tycos</i> Fruit-Testing Thermometer | EACH
\$ 3.00 |
| | Red-liquid-filled engraved thermometer 5½-inch long in metal pocket case with clip; pointed bulb; temperature range 0 to 120° F. in 2° divisions. | |
| †No. 21,861 | Thermometer only, same as No. 21,860 but without pocket case and cap | 2.75 |
| †No. 21,412 | <i>Tycos</i> Pocket Thermometer | 3.00 |
| | Engraved thermometer tube is 5½ inches long and is filled with red liquid. Temperature range 30° below zero to 120 F. above, in 2° graduations. In metal pocket case with clip. Similar to No. 21,860 (<i>illustrated above</i>), but with cylindrical-shaped bulb. | |
| †No. 21,413 | Thermometer only, same as No. 21,412, but without pocket case and cap | 2.75 |
| †No. 1322 | <i>Tycos</i> Sling Psychrometer (<i>best grade</i>) | 11.50 |
| | With 12-inch engraved thermometers, temperature range 0 to 100° F. in ½° graduations; complete with copper case to protect thermometer tubes when not in use. Each in a box. Weight per box about 1¾ pounds. (<i>Page 34 for further information on Sling Psychrometers</i>). | |
| †No. 22,070 | <i>Tycos</i> Calcium-Chloride Salometer | 2.75 |
| | Scale 0 to 120° in 1° graduations; standardized at 60° F.; approximate over-all length 11 inches; shot-weighted. Each in a box, ½ dozen in a carton. Weight per carton about 1¾ pounds. | |
| †No. 22,282 | <i>Tycos</i> Salt Salometer | 2.25 |
| | Scale 0 to 100° in 1° graduations; standardized at 60° F.; approximate over-all length 11 inches; shot-weighted. Each in a box, ½ dozen in a carton. Weight per carton about 1¾ pounds. | |



Confectioners' and Ice-Cream-Manufacturers' Thermometers



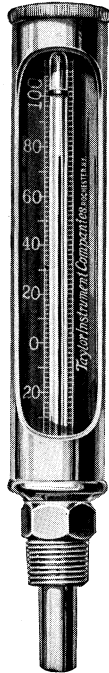
No. 5904



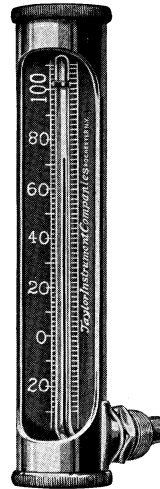
No. 5905

		PER DOZEN			
		12-INCH	14-INCH	16-INCH	18-INCH
No. 5904	<i>Tycos</i> Confectioners' Thermometer (<i>best grade</i>)	\$33.00	\$40.00	\$48.00	\$58.00
Copper-case with ring at top; silvered brass scale with black-filled figures and graduations; magnifying glass tube filled with mercury under nitrogen pressure, to prevent separation; approximate temperature range 50 to 400° F.; ½ dozen in a carton. Weight per carton: 12" size 4 pounds; 14" size 4½ pounds; 16" size (each in wood box) per dozen about 15 pounds; 18" size, (each in a wood box) per dozen about 16 pounds.					
No. 5904A	Tubes and Scales for No. 5904	22.00	27.00	32.00	38.00
No. 5905	<i>Taylor</i> Confectioners' Thermometer	28.00	33.00	42.00	50.00
Copper case with ring at top; silvered-brass scale with black-filled figures; magnifying tube filled with mercury; approximate temperature range, 50 to 400° F. Each in a box, ½ dozen in a carton. Weight per carton: 12" size 4 pounds; 14" size 4½ pounds; 16" size (each in a wood box) per dozen about 15 pounds; 18" size (each in a wood box) per dozen about 16 pounds.					
No. 5905A	Tubes and Scales for No. 5905	21.00	26.00	30.00	33.00
No. 5906	<i>Tycos</i> Fat-Frying Thermometer (<i>best grade</i>)	45.00			
Same as No. 5904 Confectioners' Thermometer, except temperature range approximately 50 to 500° F., in 5° graduations. 12-inch size only.					
No. 5906A	Tubes and Scales for No. 5906	34.00			

Confectioners' and Ice-Cream-Manufacturers' Thermometers and Hydrometers



No. 5918



No. 5920

(Illustrations about one-half actual size)

Brine-Pipe Thermometers for Ice-Cream Machines

No. 5918 *Taylor* Brine-Pipe Thermometer (*medium grade*) EACH \$7.00

Five-inch cylindrical nickel-plated brass case; zinc-plated bulb stem; black-oxidized brass scale; magnifying mercury-filled glass tube; approximate temperature range minus 20 to +100° F.; straight stem 1½ inches long including ⅜-inch "national" pipe-thread. Packed one in a carton. Weight per carton about ¾ of a pounds.

No. 5920 Same as No. 5918, except with angle stem 8.00

Syrup Hydrometers

†No. 22,360 *Tycos* Syrup Hydrometer EACH \$2.25

Balling scale, 0 to 70% in 1% graduations; 11 inches long; standardized at 60° F.; shot-weighted. Each in a box, ½ dozen in a carton. Weight per carton about 1½ pounds.

†No. 22,420 Same as No. 22,360, except Baumé scale, 0 to 50° in 1° graduations 2.25

No. 7262 Syrup Hydrometer (*ordinary grade*) PER DOZ. \$10.00

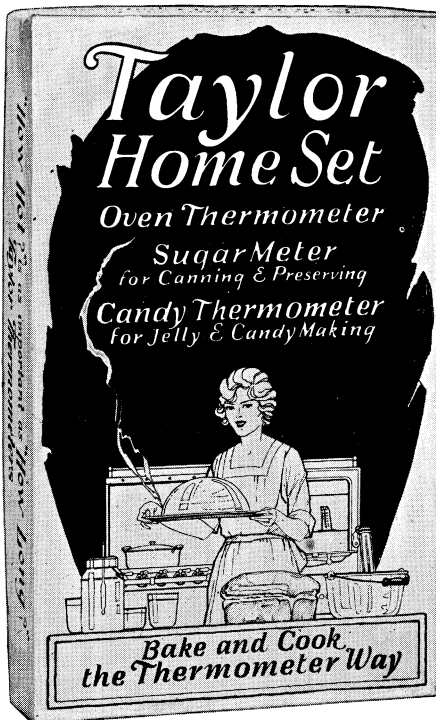
Balling scale, 0 to 70° in 1° graduations; 11 inches long; standardized at 60° F.; shot-weighted. Each in a box, ½ dozen in a carton. Weight per carton about 1¾ pounds

No. 7266 Same as No. 7262, except Baumé scale, 0 to 50° in 1° graduations 10.00

NOTE—For milk hydrometers and thermometers see pages 38 to 40.



Taylor Home Set



No. 500
(About one-third actual size)

By using this complete up-to-the-minute outfit any cook or housewife can be sure that her kitchen products will be right the first time, and of uniform quality; there need be no guesswork.

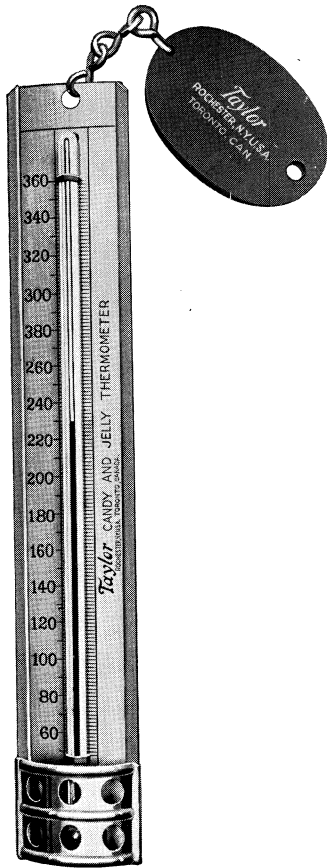
The Receipt Book which accompanies each *Taylor* Home Set gives full directions for the use of each of the instruments, more than 100 tested recipes for jellies, jams, conserves, marmalades, preserves, canned fruits, baking and roasting, candy making, deep-fat frying, etc., besides much other valuable information for the cook.

The *Taylor* Home Set is an ideal wedding, anniversary, or Christmas gift.

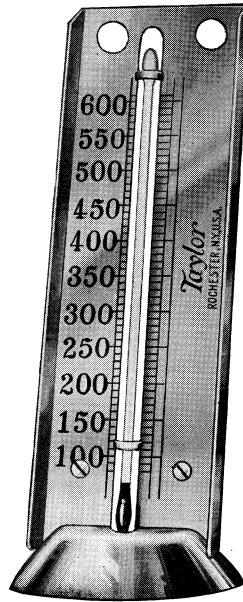
No. 500 <i>Taylor</i> Home Set	EACH \$5.25
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Consists of one No. 5928 *Taylor* Bake-Oven Thermometer (see page 53); one No. 5908 *Taylor* Candy and Jelly-Making Thermometer (see page 52); and one No. 7261 *Taylor* "Sugar-Meter" (see pages 78 and 79), the latter for determining the density of sugar syrups. Each set packed in a handsome lithographed box, with *Taylor* Receipt Book; ½ dozen in a carton. Weight per carton about 5 pounds.

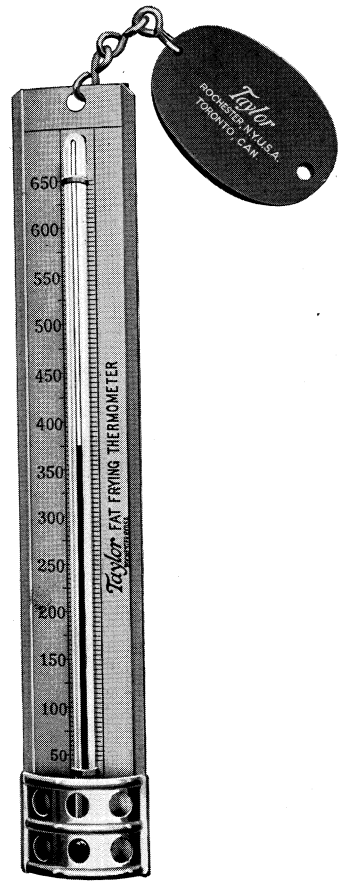
Domestic-Science Thermometers



No. 5908



No. 5932
(Illustrations about one-half actual size)



No. 5910

Everyone likes candy. Home-made candies are much better than factory-made, because of the known source of ingredients, the careful blending of materials, and the cleaner surroundings of pantry and kitchen. They are much cheaper, also. A knowledge of definite temperatures in candy making is essential to uniformly satisfactory results. The *Taylor* Candy-and-Jelly Thermometer has been designed to promote accuracy and uniformity in candy making. It is an ideal thermometer also for use in jelly making.

PER DOZ.

No. 5908 *Taylor* Candy-and-Jelly Thermometer \$24.00

All metal parts are silver-plated. Approximate temperature range 100 to 360° F., magnifying tube filled with mercury under pressure, to prevent separation. The adjustable clip on the back and the sliding bulb guard are easily removable for cleaning. The fiber handle is for hanging the thermometer when not in use, and for removing it from the cooking vessel without danger of burning the fingers. Length 8 inches. Packed each in attractive gift box with *Taylor* Book of Receipts containing more than 50 tested receipts for home-made candies; ½ dozen in a carton. Weight per carton about 1¾ pounds.

The average housewife has great difficulty in getting uniformly satisfactory results in deep-fat frying. This is due largely to improper temperatures. The *Taylor* Deep-Fat-Frying Thermometer solves the problem.

PER DOZ.

No. 5910 *Taylor* Deep-Fat-Frying Thermometer \$24.00

Same size, style, and finish as No. 5908 *Taylor* Candy-and-Jelly Thermometer, but has a range of 0 to 600° F., to cover deep-fat-frying temperatures; magnifying tube filled with mercury under pressure, to prevent separation. Packed each in a box, with *Taylor* Book of Recipes for croquettes, doughnuts, French-fried potatoes, fritters, timbals, etc. Each in a folding box; ½ dozen in a carton. Weight per carton about 1¾ pounds.

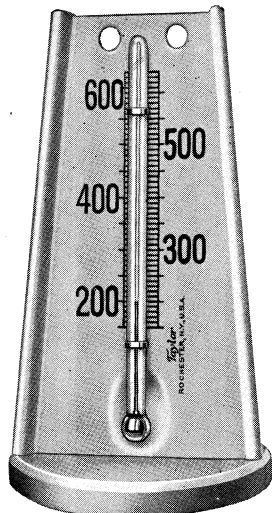
PER DOZ.

No. 5932 *Taylor* Fireless-Cooker Thermometer \$24.00

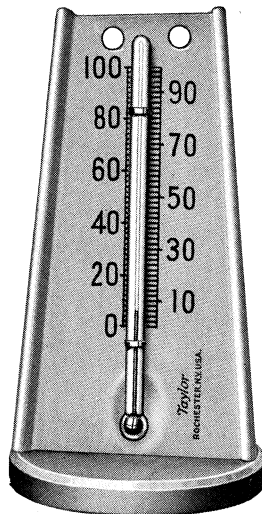
Five-inch flanged, metal scale and base are sand-blast finish; plain glass tube filled with mercury under pressure, to prevent separation; approximate temperature range 100 to 600° F. Packed each in a box. Weight per dozen about four pounds.

Domestic-Science Thermometers

(Continued from page 52)

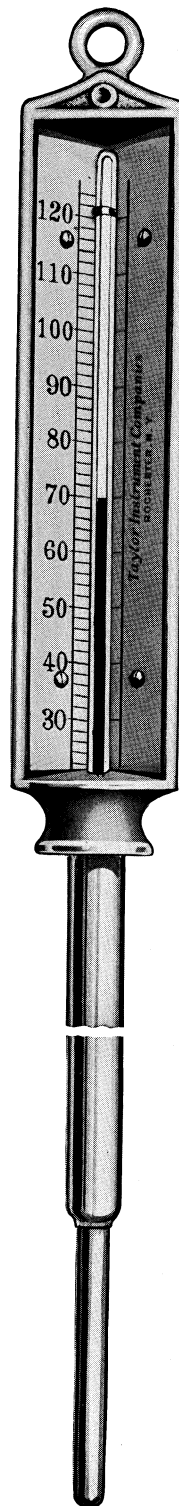


No. 5928



No. 5933

(About one-half actual size)



No. 5934
(About one-half actual size)

No. 5928 *Taylor* Home Bake-Oven Thermometer PER DOZ. \$24.00

Many women say "I can cook, but I can't bake." This is due more to incorrect oven temperature than inability to properly mix the ingredients, and can be overcome by the use of a *Taylor* Home Bake-Oven Thermometer, properly placed in the oven. By eliminating guesswork baked goods of uniform quality are assured. There is also a material saving of fuel. Vitreous-white-enameled back, with permanent black figures and graduations; insulating disc base; stands 6 inches high; approximate temperature range 100 to 600° F.; plain glass tube filled with mercury under pressure, to prevent separation. Each in a lithographed box, with *Taylor* Book of Recipes for roasting meats and baking bread, cakes, etc.; 1/2-dozen in a carton. Weight per dozen about 2 1/2 pounds.

No. 5933 *Taylor* Refrigerator Thermometer 18.00

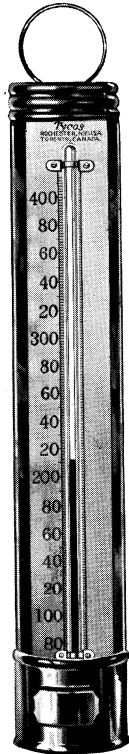
Same as No. 5928, except range 0 to 100° F.

No. 5934 *Taylor* Dough-Testing Thermometer EACH \$11.00

Seven-inch, nickel-plated iron case; 11-inch steel stem; V-shape silvered-metal scale with black-filled figures and graduations; magnifying mercury-filled glass tube; approximate temperature range 30 to 120° F., with expansion chamber to cover to 220° Each in a box. Weight per box about 1 1/2 pounds.

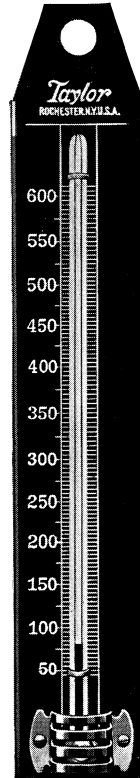


Japanning-Oven Dry-Kiln and Fruit-Evaporator Thermometers



No. 5402

(About one-third actual size)



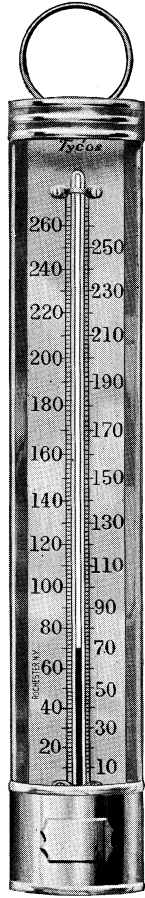
No. 5944

(About one-half actual size)

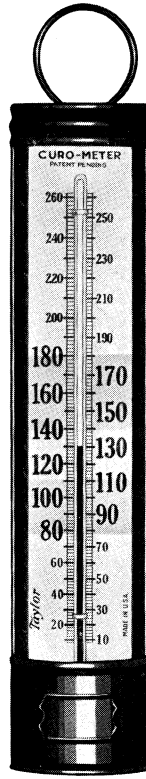
- | | | |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| No. 5402 | <i>Tycos</i> Tin-Case Thermometer (<i>best grade</i>) | PER DOZ.
\$33.00 |
| | Black-japanned heavy tin case; mercury-filled magnifying glass tube; silvered-brass scale with black-filled figures and graduations; approximate temperature range 50 to 350° F.; length 12 inches. Each in a box, ½ dozen in a carton. Weight per carton about 3½ pounds. | |
| No. 5402P | Same as No. 5402, except copper case | 39.00 |
| No. 5944 | <i>Taylor</i> Flanged-Scale Thermometer (<i>medium grade</i>) | 21.00 |
| | Black-oxidized finish with white-filled figures; magnifying mercury-filled glass tube; approximate temperature range 50 to 600° F.; length 8 inches. Each in a box, 1 dozen in a carton. Weight per carton about 2¾ pounds. | |



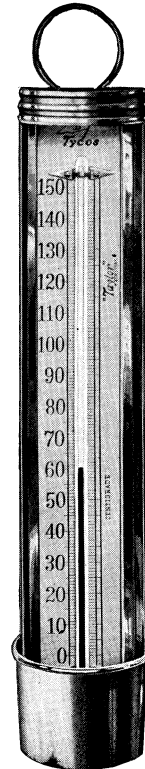
Hop-and-Tobacco-Curing and Sugar-Factory Thermometers



No. 5946PS



No. 5948S



No. 6080K

No. 5946PS *Tycos* "Permcolor" Hop-and-Tobacco Curing Thermometer (best grade) \$36.00

Twelve-inch copper case; silvered-brass scale with large easy-reading black-filled figures and graduations; magnifying tube filled with non-fading and easy-reading red liquid; approximate temperature range 30 to 270° F., in 2° graduations. Each in a box, ½ dozen in a carton. Weight per carton about 3¾ pounds.

No. 5948S "Permcolor" Curo-Meter Thermometer (ordinary grade) 6.00

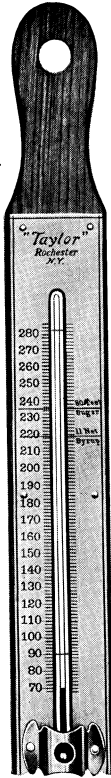
Ten-inch black-japanned tin case; lithographed tin scale with "Yellowing" in a blue field, 80 to 110° F.; "Drying the Leaf" in a white field, 110 to 140° F.; "Drying the Stem" in a blue field, 140 to 180° F.; magnifying tube filled with non-fading easy-reading red liquid; approximate over-all temperature range 30 to 170° F., in 2° graduations. Even in the darkest places the temperature indications stand out clearly under lantern or other artificial light. Packed each in a box, one dozen in a carton. Weight per carton about 3½ pounds.

No. 6080K *Tycos* Sugar-Factory Thermometer (best grade) 50.00

Twelve-inch copper-cup case; silvered-brass scale with black-filled figures and graduations; brass screws and tube-clasps; magnifying mercury-filled tube; approximate temperature range 0 to 150° Centigrade, in 1° graduations. Each in a box. Weight per ½ dozen about 4½ pounds.

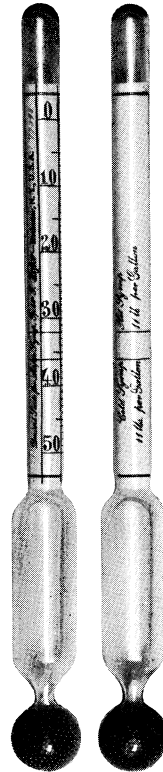
PER DOZ.

Maple-Syrup Thermometers and Hydrometers



No. 5952

(About one-third actual size)



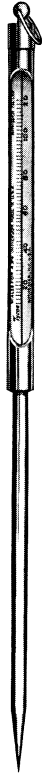
No. 7268

(About four-ninths actual size)

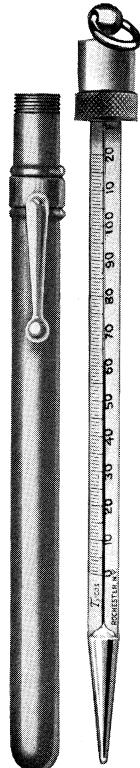
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| | | PER DOZ. |
| No. 5952 | Taylor Maple-Syrup Thermometer (medium grade) | \$24.00 |
| | Twelve-inch wood case with handle; silvered-metal scale with black-filled figures; marked "syrup 11 lbs. net" and "sugar 80 test;" plain-front special ruby-back mercury-filled second-selection glass tube guaranteed accurate within two degrees; approximate temperature range 60 to 270° F., in 1° graduations. One-half dozen in a box. Weight per box about two pounds. | |
| No. 5953 | Same as No. 5952, except with Canadian specifications. | 24.00 |
| No. 7268 | Maple-Syrup Hydrometer (ordinary grade) | 10.00 |
| | Baumé scale 0 to 50° in 1° graduations; standardized at 60° F.; nine inches long; shot-weighted; marked "syrup 11 lbs. to the gallon net," at 32° for hot syrup and at 36° for cold syrup. Each in a box, 1/2 dozen in a carton. Weight per carton about 1 1/4 pounds. | |
| No. 7268A | Same as No. 7268, except eight inches long instead of nine inches and scale range 25 to 40° in 1/2° graduations. | 10.00 |
| No. 7268C | Same as No. 7268, except with Canadian specifications marked "13 lbs. 2 oz. net to the gallon," at 32° for hot syrup and at 36° for cold syrup. | 10.00 |



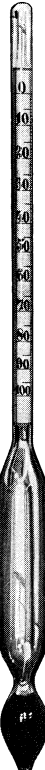
Meat-Packers Instruments



†No. 21,874



†No. 21,870



†No. 22,282



No. 7244

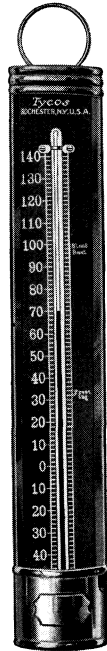


No. 5956

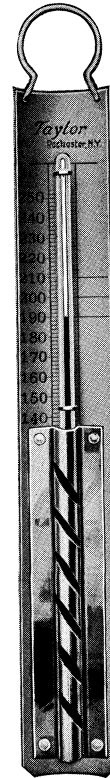
-No. 21,874	<i>Tycos</i> Meat-Testing Thermometer.....	EACH \$7.00
	Skewer-shape sharp-pointed nickel-plated sheath protecting 11-inch engraved thermometer; temperature range 10 to 120° F. in 2° divisions.	
-No. 21,875	Extra Engraved Thermometer only for No. 21,874.....	4.00
-No. 21,878	Same as No. 21,874, except temperature range 100 to 220° F.....	7.00
-No. 21,879	Extra Engraved Thermometer only for No. 21,878.....	4.00
-No. 21,870	<i>Tycos</i> Meat-Testing Thermometer.....	3.00
	Mercury-filled engraved thermometer 6-inch long, in metal pocket case with clip; pointed bulb; temperature range 0 to 120° F. in 1° divisions.	
-No. 21,871	Extra Engraved Thermometer only for No. 21,870, without pocket case and cap.....	2.75
No. 5956	<i>Tycos</i> Ham-Boiling Thermometer (<i>best grade</i>).....	PER DOZ. \$30.00
	Eighteen-inch V-shape wood case with shaped handle; silvered-brass scales with black figures and graduations; magnifying mercury-filled tube; approximate temperature range 0 to 270° F. above. Packed 3 in slide-cover wood box. Weight per box about 2½ pounds.	
No. 5956 F&R	Same as No. 5956, except with both Fahrenheit and Reaumur scales..	33.00
-No. 22,282	<i>Tycos</i> Salt Hydrometer.....	EACH \$ 2.25
	Eleven-inches long; shot weighted; 0 to 100° in 1° graduations. Standardized at 60° F. Each in a box, six in a carton. Weight per carton about 1½ pounds.	
No. 7244	Salt Hydrometer (<i>ordinary grade</i>).....	PER DOZ. \$10.00
	Eleven inches long; shot weighted; 0 to 100° in 1° graduations. Standardized at 60° F. Each in a box, six in a carton. Weight per carton about 1½ pounds.	



Marine Thermometers



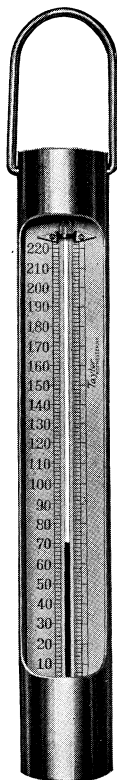
No. 5400P



No. 5970

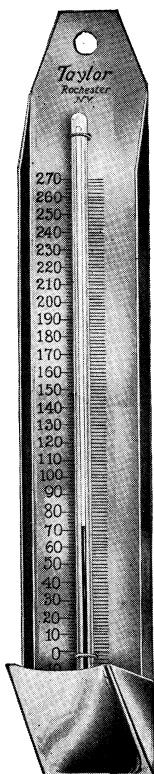
		PER DOZEN	
		10-INCH	12-INCH
No. 5400P	<i>Tycos</i> Copper-Case Thermometer; "Air" Temperature (<i>best grade</i>)	\$30.00	\$33.00
<p>Black-oxidized brass scale with white-filled figures and graduations; copper case; temperature range 10 to 40° F. below zero to about 120 above; magnifying tube filled with distilled mercury. Each in a box, six in a carton. Weight per carton; 10-inch about 2½ pounds; 12-inch about 3¾ pounds.</p>			
No. 5401P	<i>Tycos</i> Copper-Case Thermometer; "Water Boil" Temperature (<i>best grade</i>)		36.00
<p>Silvered brass scale with black-filled figures and graduations; copper case; temperature range approximately 30 to 220° F.; magnifying tube filled with distilled mercury. Each in a box, six in a carton. Weight per carton about 3¾ pounds.</p>			
No. 5970	<i>Taylor</i> Marine Thermometer (<i>medium grade</i>)		36.00
<p>PER DOZ.</p> <p>Eight and one-half inches long; silvered-brass scale; with hook on back; approximate scale range 130 to 230° F.; black-figures; mercury-filled tube; cylindrical bulb. Each in a box, one dozen in a carton. Weight per carton about 3¼ pounds.</p>			

Coal-Oil Thermometers



†No. 1797

(About one-fourth actual size)



†No. 1794

(About two-fifths actual size)



†No. 1796S

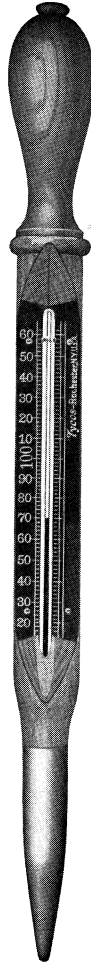
(About one-third actual size)

- | | PER DOZ. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| †No. 1797 <i>Tycos</i> Coal-Oil Thermometer (<i>best grade</i>) | \$50.00 |
| Twelve-inch, heavy, round copper-case; silvered-metal scale with black-filled figures and graduations; magnifying mercury-filled glass tube; approximate temperature range 30 to 220° F. Each in a wood box. Weight each about 1½ pounds. | |
| †No. 1797A Tubes and Scales only for No. 1797 | 22.00 |
| †No. 1793 Same as No. 1797, except approximate range minus 30 to + 160° F. | 50.00 |
| †No. 1793A Tubes and Scales only for No. 1793 | 22.00 |
| †No. 1794 <i>Taylor</i> Coal-Oil Thermometer (<i>medium grade</i>) | 19.50 |
| Ten-inch flanged-metal cup-case; black-filled figures and graduations; magnifying mercury-filled glass tube; approximate temperature range 0° to 260° F. Each in a box, six in a carton. Weight per carton about 2 pounds. | |
| †No. 1796S <i>Taylor</i> "Permacolor" Coal-Oil Thermometer (<i>medium grade</i>) | 24.00 |
| Twelve-inch V-shape wood case with brass cup; silvered-brass scales with black-filled figures and graduations; magnifying glass tube filled with non-fading easy-reading red liquid approximate temperature range 0 to 160° F. Each in a box, six in a carton. Weight per carton about 2 pounds. | |
| †No. 1796SA Same as No. 1796S, except approximate temperature range 20° F. below zero to 220 above | 27.00 |

NOTE—For a complete line of thermometers and other instruments for the Coal Oil Industry write for Catalog Part 1700.



Soil (Hot Bed) Thermometers



No. 5981

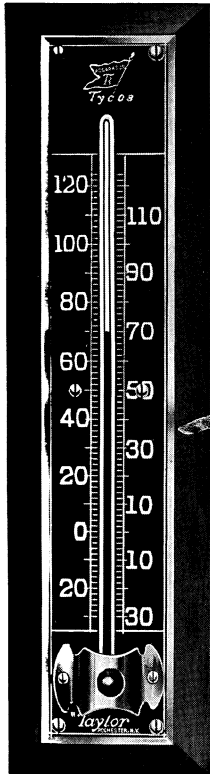
(About one-third actual size)

		PER DOZ.
No. 5981	Tycos Soil (Hot Bed) Thermometer (<i>best grade</i>)	\$36.00

Fifteen-inch V-shape wood case with handle; oxidized brass scale with white-filled figures and graduations; magnifying mercury-filled tube; mercury-filled bulb-chamber giving good contact; approximate temperature range 30 to 180° F.; strong pointed metal end. Each in a box, six in a carton. Weight per carton about 3¼ pounds.



Railroad-Coach Thermometers



No. 6031
About two-thirds
actual size)

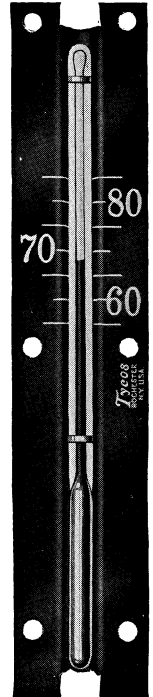
No. 6031S *Tycos* "Permacolor" Railroad-Coach Thermometer (*best grade*) \$22.00

PER DOZ.

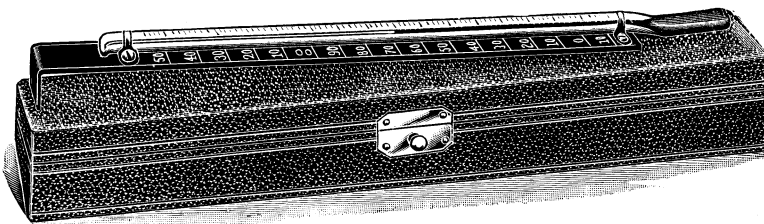
Oak-or mahogany-finished back; oxidized-brass scale with white-filled figures and graduations; magnifying glass tube filled with non-fading easy-reading red liquid; glass tube sunk in scale for protection; approximate temperature range 0 to 120° F. Made in 6-inch size only. Packed 12 in a wood box, in sawdust. Weight per box about 2 pounds.

No. 6032S *Tycos* "Permacolor" Pullman-Type Railroad-Coach Thermometer (*best grade*) 20.00

Black-oxidized brass scale 7¼ inches long, with white-filled figures and graduations; magnifying tube filled with non-fading easy-reading red liquid; cylindrical bulb; approximate temperature range 55 to 85° F.; tube recessed in scale, for protection. Each in a box, six in a carton. Weight per carton about 2½ pounds.



No. 6032S
(About one-half
actual size)



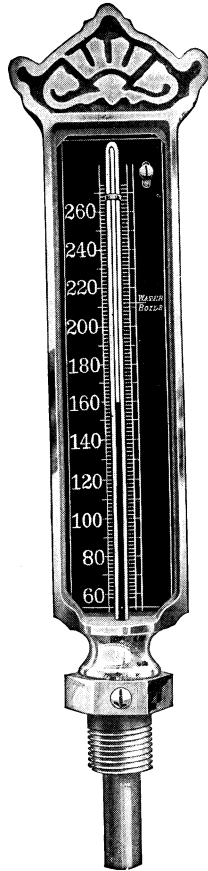
No. 6036
(About one-half actual size)

No. 6036 *Tycos* Track-Laying Thermometer (*best grade*) EACH \$7.00

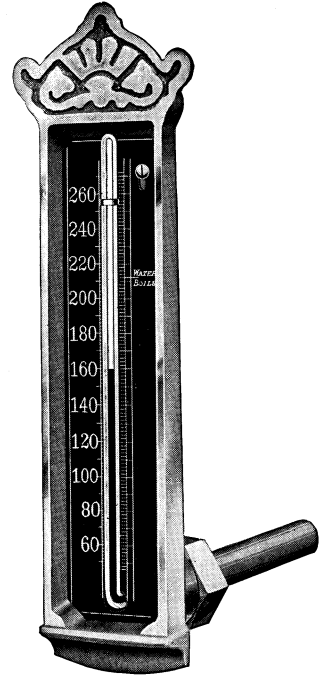
Black-oxidized brass scale 6½" long; graduations on the scale every 10°, with numerals every 20°, all white filled. Graduations etched on glass thermometer tube every 2°, with a long line every 10°, all black filled. Approximate temperature range 0° to 170°F.; mercury-filled glass tube. Each in morocco-covered case. Weight about four ounces.

No. 6036A Extra Tube and Scale for No. 6036 5.00

Hot-Water Thermometers



No. 6040 and 6041



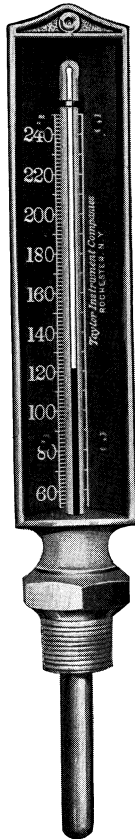
No. 6042 and 6043

(Illustrations about five-eighths actual size)

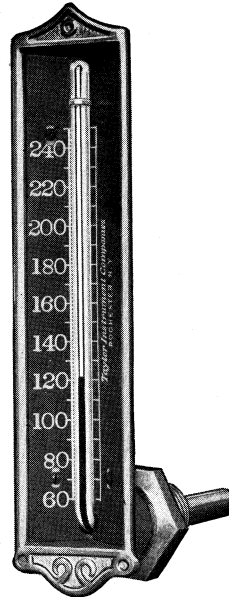
- | | | |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| No. 6040 | Straight-Stem Hot-Water Thermometer (<i>ordinary grade</i>) | EACH
\$4.00 |
| | Designed for hot-water-heating boilers only, and not adapted to industrial uses. Eight-inch nickel-plated iron case; steel bulb chamber; straight stem two inches long from shoulder of wrench-head; ½-inch "national" pipe-thread; black-oxidized brass scale with white-filled figures and graduations; magnifying mercury-filled tube; approximate temperature range 60 to 260° F. Each in a box. Weight per box about 1¼ pounds. | |
| No. 6041 | Same as No. 6040, except magnifying tube filled with non-fading easy-reading red liquid | 4.00 |
| No. 6042 | Same as No. 6040, except with angle-stem. Weight each about 1½ pounds.. | 4.50 |
| No. 6043 | Same as No. 6042, except with magnifying tube filled with non-fading easy-reading red liquid | 4.50 |

Hot-Water Thermometers

(Continued from page 62)



No. 6044



No. 6046

(Illustrations about one-half actual size)

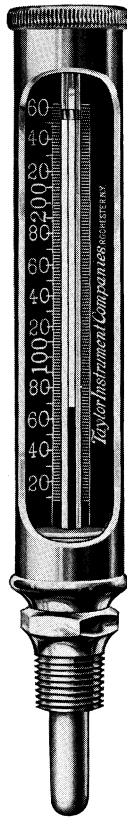
- | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------|
| No. 6044 | <i>Taylor</i> Straight-Stem Hot-Water Thermometer (<i>medium grade</i>) | EACH
\$12.50 |
| Seven-inch V-shape iron case; bulb-stem 3½-inches long including thread; ¾-inch "national" pipe-thread; black-oxidized brass scale with white-filled figures and graduations; magnifying mercury-filled tube; approximate temperature range 40 to 240° F. Each in a box. Weight per box about 1½ pounds. | | |
| No. 6045 | Same as No. 6044, except 9-inch case. Weight about 2 pounds | 14.00 |
| No. 6046 | Same as No. 6044, except angle-stem form. Weight about 1¾ pounds | 14.00 |
| No. 6047 | Same as No. 6045, except angle-stem form. Weight about 2 pounds | 15.00 |

Extras for Above Thermometers

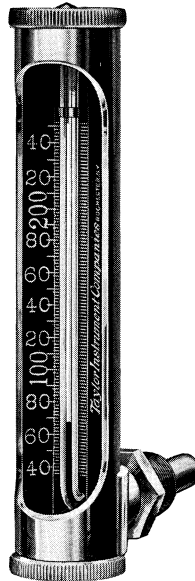
SYMBOL		EACH
"U"	Union connection ¾-inch "national" pipe-thread	\$4.50
"B"	Bronze front with glass	3.50
"H"	Special ranges must cover at least 100° F. and cannot be furnished for temperatures exceeding 400° F. (or equivalent centigrade.) No extra for one dozen or more of the same range. If less than one dozen, add \$3.00 each in figuring price with special range.	
	For greater length of stem up to 6 inches	3.50
	For stems of greater length than 6 inches	PRICE ON APPLICATION
	One-half-inch "national" pipe-thread, instead of ¾-inch	NO EXTRA
(Page 46 for brine-pipe thermometer similar to above.)		

NOTE—Thermometers listed above are not satisfactory for use on pressures above 50 pounds. When thermometers are required for higher pressures write for industrial-thermometer catalogs, stating nature of application.

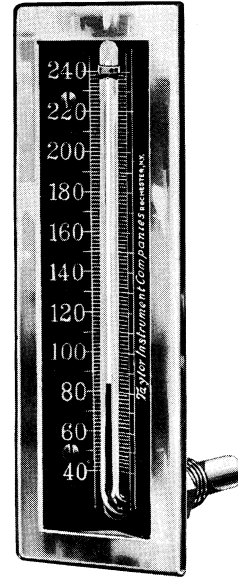
Shower-Bath Thermometers



No. 6050



No. 6051



No. 6055

(Illustrations about three-fifths actual size)

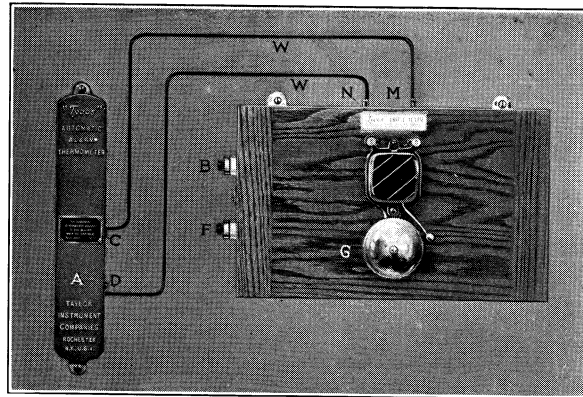
- | | | |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| No. 6050 | Taylor Straight Shower-Bath Thermometer (<i>medium grade</i>) | EACH
\$7.00 |
| | Five-inch cylindrical nickel-plated brass case; straight stem 1½-inches long including thread; ⅜-inch "national" pipe-thread; zinc-plated bulb-stem; black-oxidized brass scale with white-filled figures and graduations; magnifying mercury-filled glass tube; approximate temperature range 40 to 240° F. Each in a box. Weight per box about ¾ of a pound. | |
| No. 6051 | Same as No. 6050, except angle-stem form | 8.00 |
| No. 6054 | Taylor Straight V-Shape Shower-Bath Thermometer (<i>medium grade</i>) | 6.50 |
| | Five-inch V-shape iron case with nickel-plated pressed-steel front; straight stem 1½-inches long including thread; ⅜-inch "national" pipe-thread; zinc-plated bulb-stem; black-oxidized brass scale with white-filled figures and graduations; magnifying mercury-filled glass tube; approximate temperature range 40 to 240° F. Each in a box. Weight per box about 1 pound. | |
| No. 6055 | Same as No. 6054, except angle-stem form | 7.00 |



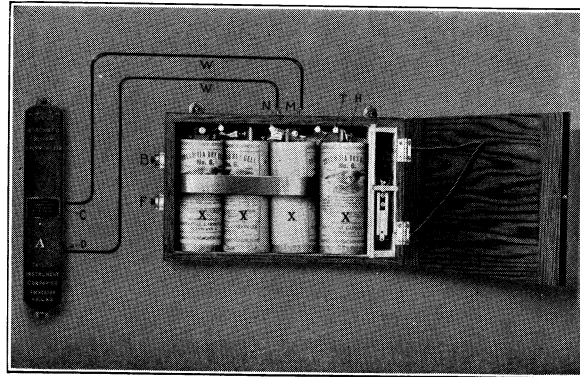
Automatic Electric-Alarm Thermometers



Water Casting
No. 6065



No. 6067—Exterior



No. 6067—Interior



Inner Construction
No. 6065

For Use in Orchards, Greenhouses, Nurseries, Cold-Storage Warehouses, Hop Curing, Tobacco Curing, and many other places where an alarm is required

No. 6065 *Tycos* Automatic Electric-Alarm Thermometer (*best grade*) ^{EACH} \$20.00

In heavy metal weather-proof case; size 12 by 2 inches; made to ring an alarm at 32° F., or any other one permanent point desired, which point must be specified when ordering. Each in a box. Weight each about 3 pounds. Thermometer only; no accessories.

No. 6066 *Tycos* Automatic Electric-Alarm Thermometer (*best grade*) 30.00

Same as No. 6065, except with special relay attachment only.

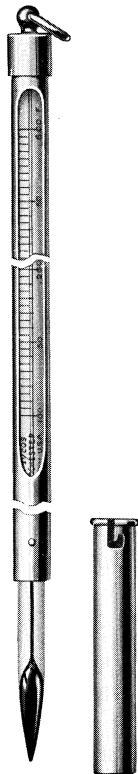
No. 6067 *Tycos* Single-System Frost-Alarm Thermometer (*best grade*) 40.00

Consists of one No. 6065 Alarm Thermometer made to ring an alarm at 32° F., or any other one permanent point, which must be specified when ordering, and one alarm box as illustrated, with special relay attachment and electric bell installed, and wired for batteries and for connection to thermometer. Space is provided in alarm box for batteries, but they are not included. Wire for connecting alarm box to thermometer also not included. Instructions for setting up and operating furnished with each alarm system. Weight about 20 pounds.

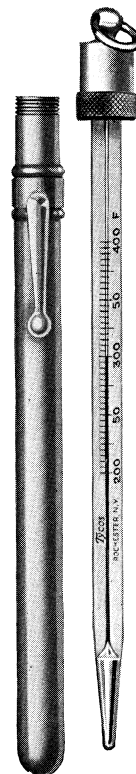
Asphalt-Testing Thermometers



†No. 21,560
(About two-fifths actual size)



†No. 21,580
(About one-fourth actual size)



†No. 21,592
(About two-thirds actual size)

<p>†No. 21,560 <i>Tycos</i> Asphalt-Testing Thermometer</p> <p>†No. 21,561 Extra Engraved Thermometer only for No. 21,560</p> <p>†No. 21,566 Same as No. 21,560, except temperature range 200 to 650°F</p> <p>†No. 21,567 Extra Engraved Thermometer only for No. 21,566</p> <p>†No. 21,580 <i>Tycos</i> Asphalt-Testing Thermometer</p> <p>†No. 21,581 Extra Engraved Thermometer only for No. 21,580</p> <p>†No. 21,582 Same as No. 21,580, except with copper-plated bulb</p> <p>†No. 21,583 Extra Engraved Thermometer only for No. 21,582</p> <p>†No. 21,586 Same as No. 21,580, except temperature range 200 to 750° F</p> <p>†No. 21,587 Extra Engraved Thermometer only for No. 21,586</p> <p>†No. 21,588 Same as No. 21,586, except with copper-plated bulb</p> <p>†No. 21,589 Extra Engraved Thermometer only for No. 21,588</p> <p>†No. 21,592 <i>Tycos</i> Pocket Asphalt-Testing Thermometer</p> <p>†No. 21,593 Extra Engraved Thermometer only for No. 21,592 without case and cap</p> <p>†No. 21,594 Same as No. 21,592, except with copper-plated bulb</p> <p>†No. 21,595 Extra Engraved Thermometer only for No. 21,594, without case and cap</p>	<p>EACH</p> <p>\$ 8.00</p> <p>5.00</p> <p>11.00</p> <p>8.00</p> <p>8.00</p> <p>5.00</p> <p>8.75</p> <p>5.75</p> <p>10.00</p> <p>7.00</p> <p>10.75</p> <p>7.75</p> <p>4.00</p> <p>3.75</p> <p>4.75</p> <p>4.50</p>
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Engraved Thermometers

(Typical illustrations on page 68)

Tycos Engraved Thermometers are reliable, because every process from the selection of the glass to the final inspection of the finished instrument is performed by expert workmen.

The finished glass tube, before being tested and graduated is subjected to the *Tycos* annealing process, which insures the permanency of the scale indications.

In "pointing" (testing) these thermometers, the "points" are taken so close together that the accuracy of the entire scale is insured. Each instrument finally is inspected and compared with standards, and is rejected for any error in excess of that allowed by the Bureau of Standards.

Immersion

Tycos Thermometers, unless otherwise specified are tested for full-scale (total) immersion. That is, they indicate true temperatures when they are immersed in the bath up to the level of the mercury column, thereby exposing to the same temperature both the bulb of the thermometer and the entire column of mercury and the glass stem surrounding it.

Where conditions of use make it impossible to totally immerse the thermometer, corrections can be made for emergent stem; that is, the amount of glass stem and mercury column exposed to temperatures other than that of the bath around the bulb.

Armored Thermometers

Tycos Armored Engraved Thermometers are enclosed in a strong metal tube, a portion of which is milled out and the lower end surrounding the bulb perforated, making them easy to read and allowing good circulation at all times around the mercury-filled bulb.

This type of armor offers ample protection to the engraved thermometer and can be removed easily for replacing the glass tube. It is especially adapted to use where temperatures are taken with engraved thermometers in steel wells.

Pocket Thermometers

Tycos Pocket Engraved Thermometers are made a convenient length to carry in the pocket, and are furnished in dull-finish, nickel-plated brass case, provided with a pocket-clip.

Maximum-Registering Thermometers

Tycos Maximum Registering Engraved Thermometers are constructed to give a registration of the maximum temperature to which they are exposed. They are particularly useful for determining temperatures in places where it is impossible or impracticable to read a thermometer while it is being subjected to the existing conditions.

The registering feature consists of a contraction of the bore of the tube, immediately above the bulb, which, while allowing the mercury to rise when heated, prevents the column, on cooling, from receding again into the bulb. The maximum temperature to which the thermometer has been subjected is indicated, therefore, at the top of the mercury column. To get the mercury in the column back into the bulb, grasp the thermometer near the top and subject it to a swinging motion, with the bulb end down. In this type of thermometer it is impossible of course to shake the mercury column below the existing atmospheric temperature, or to completely unite the mercury column, and no effort should be made to do this.

Engraved Thermometers

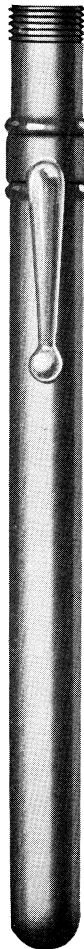
(Listed on page 69)



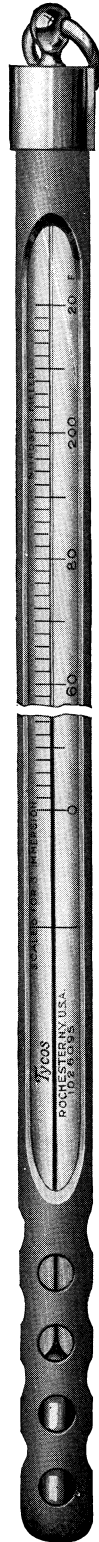
†No. 21,254



†No. 21,260



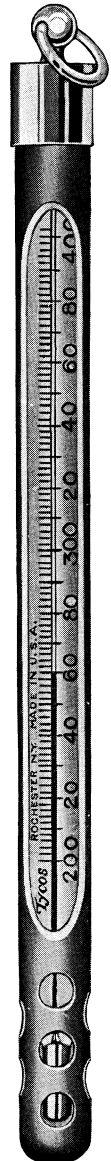
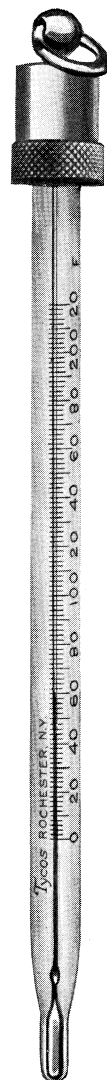
†No. 21,418
(Illustrations actual proportion)



†No. 21,274



†No. 21,460
(Maximum Regis taring)



†No. 21,472



Engraved Thermometers

Tycos Quality

(Typical illustration on page 68)

General Testing and Engineering Thermometers

NO.	USE	SCALE	APPROX. RANGE	DIVISIONS	LENGTH	SPECIAL FEATURES	EACH
21,230	General Testing	Fahr.	minus 40 to +120°	1	12"		\$ 3.00
21,232	"	"	0 to 220°	2	12"		3.00
21,234	"	"	30 to 300°	2	12"		3.00
21,236	"	"	30 to 400°	2	14"		4.00
21,238	"	"	30 to 600°	2	16"		5.00
21,240	"	"	30 to 750°	2	16"		7.00
21,242	"	"	100 to 950°	5	16"	3-inch immersion	10.00
21,250	"	Cent.	minus 10 to +110°	1	12"		3.00
21,252	"	"	0 to 150°	1	12"		3.00
21,254	"	"	0 to 200°	1	14"		4.00
21,256	"	"	0 to 300°	1	16"		5.00
21,258	"	"	0 to 400°	1	16"		7.00
21,260	"	"	50 to 510°	2	16"	3-inch immersion	10.00

In Metal Armor

NO.	USE	SCALE	APPROX. RANGE	DIVISIONS	LENGTH	SP. FEATURES	COMPLETE EACH	WITHOUT ARMOR NO.	ARMOR EACH
21,270	General Testing	Fahr.	minus 40 to +120°	1	12"	3-inch immersion	\$6.00	†21,271	\$ 3.00
21,274	"	"	0 to 220°	2	12"	"	6.00	†21,275	3.00
21,278	"	"	30 to 300°	2	12"	"	6.00	†21,279	3.00
21,282	"	"	30 to 400°	2	14"	"	7.00	†21,283	4.00
21,286	"	"	30 to 600°	2	16"	"	8.00	†21,287	5.00
21,290	"	"	30 to 750°	2	16"	"	10.00	†21,291	7.00
21,294	"	"	100 to 950°	5	16"	"	13.00	†21,295	10.00
21,300	"	Cent.	minus 10 to +110°	1	12"	"	6.00	†21,301	3.00
21,304	"	"	0 to 150°	1	12"	"	6.00	†21,305	3.00
21,308	"	"	0 to 200°	1	14"	"	7.00	†21,309	4.00
21,312	"	"	0 to 300°	1	16"	"	8.00	†21,313	5.00
21,316	"	"	0 to 400°	1	16"	"	10.00	†21,317	7.00
21,320	"	"	50 to 510°	2	16"	"	13.00	†21,321	10.00

In Pocket Carrying Case

NO.	USE	SCALE	APPROX. RANGE	DIVISIONS	LENGTH	SP. FEATURES	COMPLETE EACH	TUBE ONLY NO.	EACH
21,410	General Testing	Fahr.	minus 30 to +120°	2	5½"		\$3.00	†21,411	\$2.75
21,412	"	"	minus 30 to +120°	2	5½"	Red-liquid filled	3.00	†21,413	2.75
21,415	"	"	0 to 220°	2	5½"		3.00	†21,419	2.75
21,420	"	"	0 to 220°	2	5½"	Red-liquid filled	3.00	†21,421	2.75
21,430	"	Cent.	minus 35 to +50°	1	5½"		3.00	†21,431	2.75
21,432	"	"	minus 35 to +50°	1	5½"	Red-liquid filled	3.00	†21,433	2.75
21,438	"	"	minus 15 to +105°	1	5½"		3.00	†21,439	2.75

Maximum-Registering Thermometers

NO.	USE	SCALE	APPROX. RANGE	DIVISIONS	LENGTH	SP. FEATURES	COMPLETE EACH	TUBE ONLY NO.	EACH
21,460	General Testing	Fahr.	0 to 220°	2	5½"	In Pocket Case	\$5.00	†21,461	\$4.75
21,462	"	"	0 to 220°	2	5½"	In Brass Armor	5.00	†21,461	4.75
21,466	"	"	100 to 300°	2	5½"	" " "	5.00	†21,467	4.75
21,472	"	"	200 to 400°	2	5½"	" " "	5.00	†21,473	4.75
21,480	"	Cent.	minus 15 to +105°	1	5½"	In Pocket Case	5.00	†21,481	4.75
21,482	"	"	minus 15 to +105°	1	5½"	In Brass Armor	5.00	†21,481	4.75
21,486	"	"	40 to 150°	1	5½"	" " "	5.00	†21,487	4.75
21,492	"	"	95 to 205°	1	5½"	" " "	5.00	†21,493	4.75

†—All above thermometers are filled with mercury unless specified filled with non-fading easy-reading red liquid.

Steel Test Wells

These wells are machined from cold-rolled bar steel threaded for ½" pipe, and fitted with screw plug to keep out dirt when not in use.



CATALOG NO.	LENGTH OF STEM INCLUDING THREAD	EACH
21,975	2"	\$2.25
21,977	3½"	3.50
21,979	5½"	4.50

Brass Test Wells

These wells are the same as the steel wells listed above, except that they are machined from bar brass. They are intended for use in water lines and other installations where steel would have a tendency to rust. Fitted with screw plug. Mercury must not be used as the contact medium, as it will alloy with the brass.

CATALOG NO.	LENGTH OF STEM INCLUDING THREAD	EACH
21,985	2"	\$3.00
21,987	3½"	4.00
21,989	5½"	5.00

Steel or Brass Well with Screw Plug



Engraved Thermometers

Precision Quality

For fine test work in the laboratory, or for purposes requiring the measurement of temperature to small fractions of a degree, it is necessary to use instruments permitting greater discrimination than is possible with regularly-scaled engraved thermometers.

Tycos Precision-Quality Thermometers are manufactured with the greatest refinement in every process of construction and inspection, to insure the highest degree of accuracy.



NO.	SCALE	RANGE	DIVISIONS	LENGTH	EACH
†21,020	Fahr.	minus 30 to +120°	$\frac{1}{5}$	18 inches	\$18.00
†21,024	Fahr.	20 to 220°	$\frac{1}{2}$	15 "	15.00
†21,028	Fahr.	30 to 120°	$\frac{1}{10}$	21 "	21.00
†21,032	Fahr.	20 to 230°	$\frac{1}{5}$	24 "	24.00
†21,060	Cent.	minus 35 to + 50°	$\frac{1}{10}$	18 "	18.00
†21,064	Cent.	minus 5 to +105°	$\frac{1}{10}$	24 "	24.00
†21,068	Cent.	minus 5 to +105°	$\frac{1}{5}$	15 "	15.00

NOTE—Each of above is packed in felt-lined black-oxidized brass case.

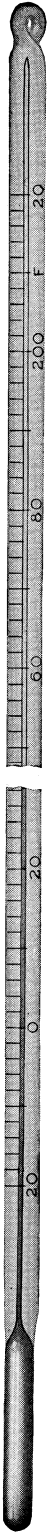
Ordinary Grade

Plain Mercury Tubes. Each in a turned wood box

NO.	SCALE	RANGE	DIVISIONS	LENGTH	PER DOZ.
6100A	Fahr.	minus 20 to +120°	2	12-inches	\$16.00
6100	"	0 to 220°	2	12 "	16.00
6101	"	30 to 300°	2	12 "	17.00
6102	"	30 to 400°	2	14 "	19.00
6103	"	30 to 650°	2	16 "	25.00
6100C	Cent.	minus 10 to +110°	1	12 "	16.00
6101C	"	0 to 150°	1	12 "	17.00
6102C	"	0 to 200°	1	14 "	19.00
6103C	"	0 to 350°	1	16 "	25.00
6106C	"	0 to 250°	1	14 "	21.00

NOTE—Extra for any of the above Ordinary-Grade Thermometers with both Centigrade and Fahrenheit temperature scales, \$3.00 per dozen.

No. 6105S, Engraved Battery Thermometer (see page 80). No. 6108S Engraved Pasteurizing Thermometer (see page 39).



†No. 21,020

No. 6100



Hydrometers

The hydrometer is an instrument employing the general physical law that a floating body displaces its own weight of the liquid in which it floats; and is used to determine the relative densities, or weights, of liquids.

Hydrometers can be divided into two general classes; those for use in liquids heavier than water and those for use in liquids lighter than water.

With the exception of a few special scales, the unit of comparison, or initial point, on the hydrometer scale, is taken from pure water at a standard temperature. This standard temperature is unless otherwise specified 60° F., meaning that to obtain the true reading it must be taken in a liquid the temperature of which is 60° F. The indication of the hydrometer then shows the exact comparison in weight, or density, between the liquid tested and pure water at 60° F.

The range, *i.e.*, the number of degrees shown on the stem of the hydrometer, should be governed by the degree of accuracy desired in the instrument. When the range covers a large number of degrees the subdivisions cannot be fine and the action of the hydrometer is more sluggish than where only a few degrees are shown on the stem, the latter allowing fine or open subdividing, as desired.

Proper Use of Hydrometers

The hydrometer should be read from below the surface of transparent liquids, the reading being taken at that point where the straight line formed by the surface cuts the hydrometer stem. When used in opaque liquids, the reading should be obtained by taking the indication at the top of the meniscus, *i.e.*, the surface of the liquid drawn up around the stem, and allowance made for the height to which this rises above the actual surface of the liquid.

To obtain accurate results the hydrometer must be clean, the surface of the liquid free from dirt, and care taken not to force the hydrometer, or allow it to sink to more than $\frac{1}{8}$ -inch over the point on the stem at which it floats.

Hydrometer Scales

The hydrometer scale used principally for scientific purposes is known as Specific Gravity, with distilled water as 1 for the initial point. This is written 1.000, and is divided decimally below 1.000 for liquids lighter than water, and above 1.000 for liquids heavier than water. A liquid the density of which is 50 per cent. greater than that of water will read 1.500 Sp. Gr., and one whose density is 25 per cent. lighter than water 0.750.

The scales used in commerce however generally are arbitrary ones, made up to suit a certain industry or industries, and have become established by long and more-or-less universal use. These scales are usually known by the name of their originator; as Baumé, Brix, Balling, etc.

U. S. Bureau of Standards as Authority

To bring about uniformity, nearly every country has established a Government Bureau which determines standards for these arbitrary scales, at least for the ones in general use.

The U. S. Bureau of Standards has taken up this work and has established tables (adopting principally those that have general commercial approval) for practically all of these scales, and Foster Hydrometers are made to conform to and are guaranteed to meet their specifications.



Hydrometers

(Continued from page 71)

Grade, or Quality

The uses of hydrometers are so numerous and the degree of accuracy required varies so greatly that we have found it advisable to make them in several grades, as follows:

Precision-Quality (First Grade)

When hydrometers of the highest degree of accuracy are required, for purposes of standardization, *Tycos* Precision-Quality instruments are recommended.

While we do not stock this grade, our facilities are such that we can make sets or single instruments to specification. We are prepared to make hydrometers when required, graduated to $\frac{1}{10}$ of a degree or finer, for arbitrary scales (Baumé, Brix, Balling's, etc.), and per-cent scales to .001 Sp. Gr. or finer.

Tycos Precision-Quality Hydrometers are made only for scales for which the United States Bureau of Standards has adopted tables of values. Instruments of this grade are guaranteed to be of the highest obtainable accuracy and of the very finest workmanship. We will be glad to furnish prices and particulars promptly on receipt of inquiry.

Tycos Quality

Tycos on a hydrometer is a mark of quality and is put only on those accurately made for industrial requirements.

The scales of *Tycos* Hydrometers are hand-written from actual test points. They are all made with the idea of providing a satisfactory instrument, eliminating the trouble so often caused by the use of instruments with cheap printed scales, known generally as "commercial" hydrometers. In every process, from selection of the glass to the final inspection of the hydrometer, *Tycos* quality is emphasized, and the frequency at which the test points are taken before the scale is made insures accuracy throughout the scale range. The finished hydrometer finally is inspected and compared with standard instruments, certified for us wherever possible by the U. S. Bureau of Standards.

Ordinary Grade

Under this head we list hydrometers suitable for use where approximate tests are required, or where the chance of rough usage is so great that they are needed in large quantities.

Hydrometers of this grade are for general use and meet the demands of ordinary commercial requirements. They are not however as accurately subdivided as the "*Tycos*-Quality" instruments.

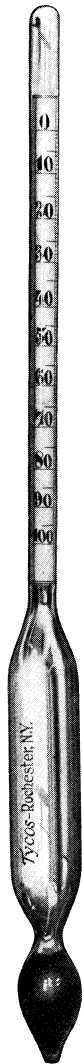
Hydrometer Sets

We are prepared to furnish sets of hydrometers in velvet-lined leather-covered cases. As we have found that practically every individual customer wishes a slightly different set we do not list them, but are always glad to quote a price on any desired assortment.

Tycos Plain Hydrometers

(Without Thermometer in Combination)

(Listed on page 75)



†No. 22,282



†No. 22,320



†No. 22,420

(Illustrations about one-half actual size)



Tycos Plain Hydrometers

(Without Thermometer in Combination)

NO.	LIQUID TO BE TESTED	SCALE	RANGE	GRADUATIONS	TEMP. OF STAND.	APPROX. LENGTH	EACH	
	Acid	See Heavy Liquids Baumé Scale (below)						
	Alcohol	" Spirit. (page 75)						
	Alkali	" Heavy Liquids Baumé scale (below)						
	Ammonia	" Light Liquids Baumé scale (page 75)						
	Balling Saccharometer	" Sugar. (page 75)						
†22,060	Battery	Specific Gravity	1.150 to 1.300	.055	525...60°/60° F.	5½ inches	\$1.25	
	Baume	See Heavy Liquids (below)						
	"	" Light Liquids. (page 75)						
	Brine	" Salt. (page 75)						
	Brix	" Sugar. (page 75)						
†22,070	Calcium Chloride	Salometer	0 to	120°	1...60° F.	11 inches	\$2.75	
†22,100	Heavy Liquids	Baumé	0 to	70°	1... "	" "	2.25	
†22,112	"	"	0 to	10°	1/10... "	" "	3.25	
†22,113	"	"	10 to	20°	1/10... "	" "	3.25	
†22,114	"	"	20 to	30°	1/10... "	" "	3.25	
†22,115	"	"	30 to	40°	1/10... "	" "	3.25	
†22,116	"	"	40 to	50°	1/10... "	" "	3.25	
†22,117	"	"	50 to	60°	1/10... "	" "	3.25	
†22,118	"	"	60 to	70°	1/10... "	" "	3.25	
†22,126	Heavy Liquids	Specific Gravity	1.000 to 2.000	.01	60°/60° F.	" "	2.25	
†22,130	"	"	1.000 to 1.200	.005	"	" "	2.25	
†22,131	"	"	1.200 to 1.400	.005	"	" "	2.25	
†22,132	"	"	1.400 to 1.600	.005	"	" "	2.25	
†22,133	"	"	1.600 to 1.800	.005	"	" "	2.25	
†22,134	"	"	1.800 to 2.000	.005	"	" "	2.25	
†22,140	"	"	1.000 to 1.050	.001	"	" "	3.25	
†22,141	"	"	1.050 to 1.110	.001	"	" "	2.25	
†22,142	"	"	1.100 to 1.150	.001	"	" "	3.25	
†22,143	"	"	1.150 to 1.200	.001	"	" "	3.25	
†22,144	"	"	1.200 to 1.250	.001	"	" "	3.25	
†22,145	"	"	1.250 to 1.300	.001	"	" "	3.25	
†22,146	"	"	1.300 to 1.350	.001	"	" "	3.25	
†22,147	"	"	1.350 to 1.400	.001	"	" "	3.25	
†22,148	"	"	1.400 to 1.450	.001	"	" "	3.25	
†22,149	"	"	1.450 to 1.500	.001	"	" "	3.25	
†22,150	"	"	1.500 to 1.550	.001	"	" "	3.25	
†22,151	"	"	1.550 to 1.600	.001	"	" "	3.25	
†22,152	"	"	1.600 to 1.650	.001	"	" "	3.25	
†22,153	"	"	1.650 to 1.700	.001	"	" "	3.25	
†22,154	"	"	1.700 to 1.750	.001	"	" "	3.25	
†22,155	"	"	1.750 to 1.800	.001	"	" "	3.25	
†22,156	"	"	1.800 to 1.850	.001	"	" "	3.25	
†22,170	Heavy Liquids (Bleaching, Boiling-Out and Degumming Solutions)	Twaddle	34	0 to	6°	1/5...60° F.	" "	3.25
†22,176	Heavy Liquids	" No. 1	49	0 to	24°	1/2... "	" "	2.75
†22,177	"	" Twaddle No. 2	8	24 to	48°	1/2... "	" "	2.75
†22,178	"	" No. 3	5	48 to	72°	1/2... "	" "	2.75

NOTE—All the above hydrometers are shot-weighted.



Tycos Plain Hydrometers

(Without Thermometer in Combination)

(Typical illustrations on page 73)

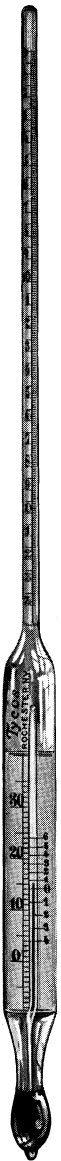
NO.	LIQUID TO BE TESTED	SCALE	GRADUATIONS	TEMP. OF STAND.	APPROX. LENGTH	EACH	
†22,200	Light Liquids	Baumé	10 to 100°	1... 60° F.	11 inches	\$2.25	
†22,210	" "	"	10 to 45°	1/2... "	" "	2.25	
†22,220	" "	"	10 to 20°	1/10... "	" "	3.25	
†22,221	" "	"	20 to 30°	1/10... "	" "	3.25	
†22,222	" "	"	30 to 40°	1/10... "	" "	3.25	
†22,223	" "	"	40 to 50°	1/10... "	" "	3.25	
†22,232	Light Liquids	Specific Gravity	1.000 to 0.600	01... 60°/60° F.	" "	2.25	
†22,240	" "	"	1.000 to 0.950	.001... "	" "	2.75	
†22,241	" "	"	0.950 to 0.900	.001... "	" "	2.75	
†22,242	" "	"	0.900 to 0.850	.001... "	" "	2.75	
†22,243	" "	"	0.850 to 0.800	.001... "	" "	2.75	
†22,244	" "	"	0.800 to 0.750	.001... "	" "	2.75	
†22,245	" "	"	0.750 to 0.700	.001... "	" "	2.75	
†22,246	" "	"	0.700 to 0.650	.001... "	" "	2.75	
	Proof Scale	See Spirit. (below)					
	Saccharometer	" Sugar. (below)					
	Salinometer	" Sea Water. (below)					
	Salometer	" Salt. (below)					
†22,282	Salt	Salometer	0 to 100°	1... 60° F.	11 inches	2.25	
†22,290	Sea Water	Salinometer Special Scale	0 to 5/32°	1/4... 190°, 200°, & 210° F.	10 1/2 inches	2.75	
	Specific Gravity	" See Heavy Liquids (page 74) and Light Liquids. (above)					
†22,300	Spirit	Tralle % alcohol by volume	0 to 5%	1/10... 60° F.	8 1/2 inches	3.75	
†22,310	Spirit	Per Cent of Proof	0 to 30%	1/2... "	9 inches	2.75	
†22,316	Spirit	{ Proof... Tralle... }	{ 100 below to 100 above 0 to 100% }	.2... "	11 inches	2.25	
†22,320	Spirit	{ Per Cent. of Proof U. S. Internal Revenue }	Stem No. 1	0 to 100%	1... "	8 3/4 inches	2.25
†22,321			Stem No. 2	80 to 120%	... "	" "	2.75
†22,322			Stem No. 3	100 to 140%	1/2... "	" "	2.75
†22,323			Stem No. 4	130 to 170%	1/2... "	" "	2.25
†22,324			Stem No. 5	160 to 200%	1/2... "	" "	2.75
†22,360	Per Cent Sugar	Brix or Ballings	0 to 70%	1... 20° C—68° F.	11 inches	2.25	
†22,390	"	"	1 to 11%	1/10... "	" "	3.75	
†22,391	"	"	9 to 20%	1/10... "	" "	3.75	
†22,392	"	"	19 to 31%	1/10... "	" "	3.75	
†22,393	"	"	29 to 41%	1/10... "	" "	3.75	
†22,394	"	"	39 to 51%	1/10... "	" "	3.75	
†22,395	"	"	49 to 61%	1/10... "	" "	3.75	
†22,396	"	"	59 to 71%	1/10... "	" "	3.75	
†22,397	"	"	69 to 81%	1/10... "	" "	3.75	
†22,398	"	"	79 to 91%	1/10... "	" "	3.75	
†22,420	Syrup	Baumé	129	0 to 50%	1... 60° F.	11 inches	2.25
	Tralle Scale	" Spirit. (above)					
	Twaddle Scale	" Heavy Liquids. (page 74)					
	Wine. Tralle Scale	" Spirit. (above)					

NOTE—All the above hydrometers are shot-weighted.

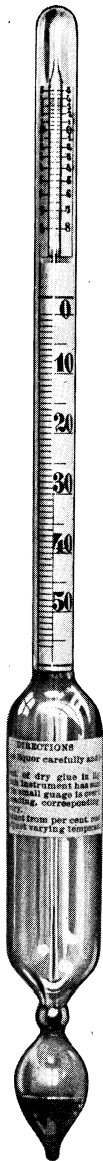
Tycos Thermo-Hydrometers

(With Thermometer in Combination)

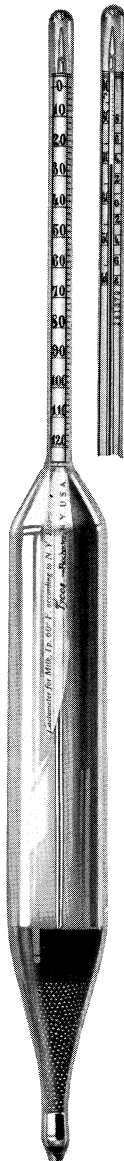
(Listed on page 77)



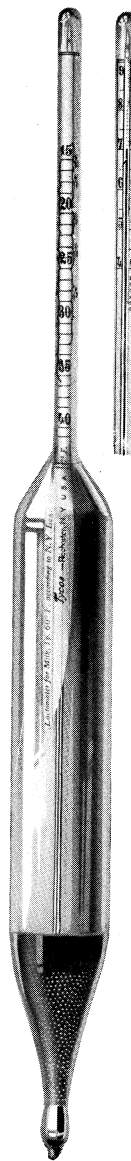
†No. 22,510



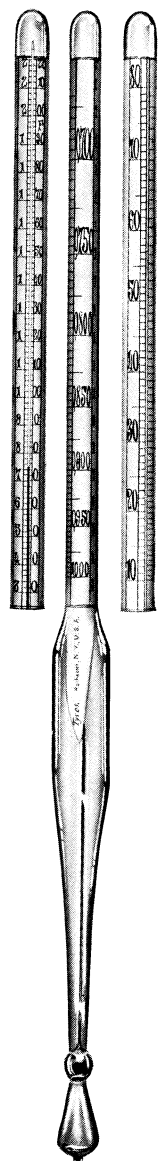
†No. 22,520



†No. 22,530



†No. 22,532



†No. 22,560



Tycos Thermo-Hydrometers

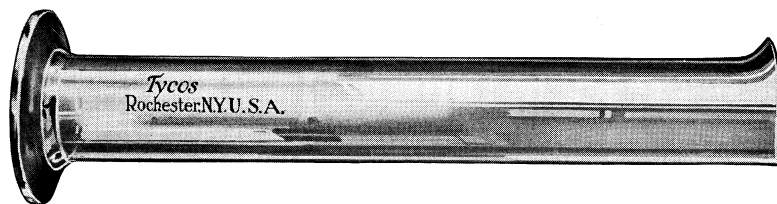
(With Thermometer in Combination)

(Typical illustrations on page 76)

NO.	LIQUID TO BE TESTED	SCALE	RANGE	GRADUA- TIONS	TEMP. OF STAND.	APPROX. LENGTH	EACH
Ballings Saccharometer See Beer. (below)							
†22,500 Beer	Ballings Saccharometer	0 to 14	$\frac{1}{16}$	14°R	17 inches	\$6.75
†22,510 Beer	“ “	0 to 24	$\frac{1}{16}$	14°R	17 “	6.75
†22,511 Beer	“ “	0 to 24	$\frac{1}{16}$	63½° F	17 “	6.75
†22,520 Glue	“Glueometer” Dry Glue Per Cent. Shows the per cent of dry glue in any glue solution.	0 to 55	1	167° F	12 inches	5.75
†22,530 Milk	{Lactometer according to New York State Board of Health (Spence's Scale) Improved Pattern}	0 to 120	2	60° F	13 inches	6.25
†22,532 Milk	{Quevenne's Lactometer, Improved Pattern}	{ 14 to 42 1.014 to 1.042	{ 1 .001}	{ 60°/60° F	{ 13 inches	{ 6.25
Saccharometer See Beer. (above)							
†22,550 Tanning Solutions	Barkometer	0 to 70	1	60°/60° F	13 inches	6.25
(1.000 to 1.070 Sp. Gr.) (.001)							
†22,560 Varnish	{Baumé..... Specific Gravity.....}	{ 10 to 80 1.000 to 0.666	{ 1 .005	{ 60° F 60°/60° F	{ 17 inches	{ 6.25

NOTE—All the above hydrometers are mercury weighted and have temperature correction scale.

Plain Glass Hydrometers Test Jars (with Foot and Pour-out)

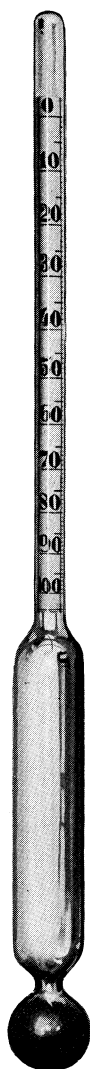


NO.	SIZE	EACH	NO.	SIZE	EACH	NO.	SIZE	EACH
†22,950	6" x 1"	\$.50	†22,954	10" x 2"	\$.65	†22,958	15" x 2"	\$1.00
†22,952	8" x 1"	.60	†22,956	12" x 2"	.75	†22,960	18" x 2"	1.30

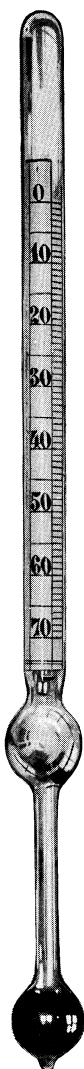
Ordinary-Grade Plain Hydrometers

(Without Thermometer in Combination)

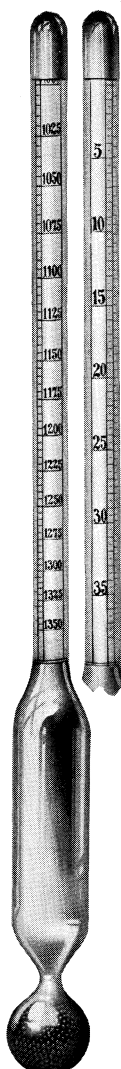
(Listed on page 79)



No. 7220
(About one-half actual size)



No. 7240
(About one-half actual size)



No. 7244
(About one-half actual size)



No. 7261
(Actual size)



Ordinary-Grade Plain Hydrometers

(Without Thermometer in Combination)

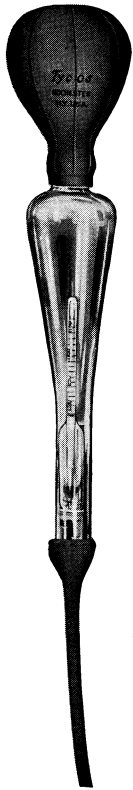
Packed each in a box, ½-dozen in a carton

(Typical illustrations on page 78)

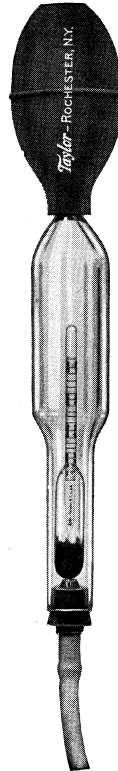
NO.	LIQUID TO BE TESTED	SCALE	RANGE	GRADUATIONS	TEMP. OF STAND.	APPROX. LENGTH	PER DOZ.
	Acid.....	See Baumé Scale for Heavy					
	Acid.....	See Baumé Scale for Heavy Liquids, No. 7220. (below)					
	Alcohol.....	See Spirit. (below)					
	Alkali.....	See Baumé Scale for Heavy Liquids, No. 7220.					
7214B	Battery.....	Specific Gravity.....	1.150 to 1.300	.01	70° F.	3½"	\$ 8.75
7216	Battery.....	Baumé (In wood case with jar)	0 to 40°	10	60° F.	5"	10.00
		Specific Gravity.....	1.000 to 1.300	.005	60°/60° F.		
	Baume.....	See Heavy Liquids and Light Liquids. (below)					
Z4180	Beer.....	Balling Saccharometer.....	0 to 20°	1/10	60° F.	11"	10.00
Z4181	Beer.....	Balling Saccharometer.....	0 to 20°	1/2	60° F.	6"	10.00
7224	Calcium Chloride	Salometer.....	0 to 120°	1	60° F.	11"	10.00
	Chargometer.....	(See page 80)					
	Coal Oil.....	See Baumé Scale for Light Liquids. (below)					
7220	Heavy Liquids.....	Baume.....	0 to 70°	1	60° F.	11"	10.00
7232	" "	Baumé.....	0 to 70°	1	60° F.	11"	10.00
		Specific Gravity.....	1.000 to 1.900	.01	60°/60° F.	11"	
7248	" "	Specific Gravity.....	1.000 to 2.000	.01	60°/60° F.	11"	10.00
7238	Light Liquids.....	Baumé.....	10 to 100°	1	60° F.	11"	10.00
		Specific Gravity.....	1.000 to 0.600	.005	60°/60° F.	11"	
7252	" "	Specific Gravity.....	1.000 to 0.700	.005	60°/60° F.	11"	10.00
	Lime Sulphur.....	See No. 7240					
7240	Li-Sul-Sprayometer (N.Y. and Pa. Pattern)	Baumé.....	0 to 38°	1/2	60° F.	11"	10.00
		Specific Gravity.....	1.000 to 1.350	.005	60°/60° F.	11"	
	Maple Syrup.....	See Syrup. (below)					
7244	Salt.....	Salometer.....	0 to 100°	1	60° F.	11"	10.00
	Specific Gravity.....	See Heavy Liquids and Light Liquids. (above)					
7258	Spirit.....	{Proof.....	100 below to	2	60° F.	11"	10.00
		{Tralle.....	100 above				
			0 to 100%	1			
Z4182	Spirit.....	Per-Cent Proof.....	0 to 200%	2	60° F.	6"	10.00
7261	Sugar (Sugarmeter)	Per Cent. Sugar.....	0 to 60%	2	60° F.	5½"	10.00
7262	Sugar.....	Balling.....	0 to 70°	1	60° F.	11"	10.00
7266	Syrup.....	Baumé.....	0 to 50°	1	60° F.	11"	10.00
7268	Syrup (Maple).....	Baumé.....	0 to 50°	1	60° F.	9"	10.00
		Marked "Syrup" 11 lbs. net to the gallon" at 32° for hot syrup and at 36° for cold syrup.					
7268A	Syrup (Maple).....	Baumé.....	25 to 40°	1/2	60° F.	8"	10.00
		Marked same as No. 7268.					
7268C	Syrup.....	Baumé.....	0 to 50°	1	60° F.	9"	10.00
		Canadian Specifications marked "Syrup 13 lbs. 2 oz. net to the gallon," at 32° for hot syrup and at 36° for cold syrup.					

NOTE—All above hydrometers are shot-weighted unless otherwise described.

Chargometers (Battery Hydrometer Syringes)



No. 7400
(About one-third actual size)



No. 7404
(About two-fifths actual size)



No. 6105S
(Actual size)

The Chargometer is a gauge for determining the state of charge in a storage battery. By its use the exact strength of the battery is known and the inconvenience occasioned by exhausted batteries is prevented.

No. 7400 *Tycos* Battery Chargometer (*best grade*) **\$50.00** PER DOZ.

Specific Gravity scale 1.150 to 1.300, in .005 graduations; standardized to 60° F.; best quality rubber bulb; rubber buffers in ends of glass body, to prevent breakage of hydrometer; length over all 14 inches. Each in well-finished, slide-cover wood box, with full directions for use.

No. 7404 Battery Chargometer (*ordinary grade*) **12.00**

This number is especially designed to carry in the tool kit of an automobile. Specific Gravity scale 1.150 to 1.300, in .01 graduations; standardized at 70° F.; good quality rubber bulb; rubber buffers to prevent breakage of hydrometer; length over all 10 inches. Each in a very strong cardboard cylinder container, with metal bottom and metal screw-cover, which can be carried with other tools without breakage.

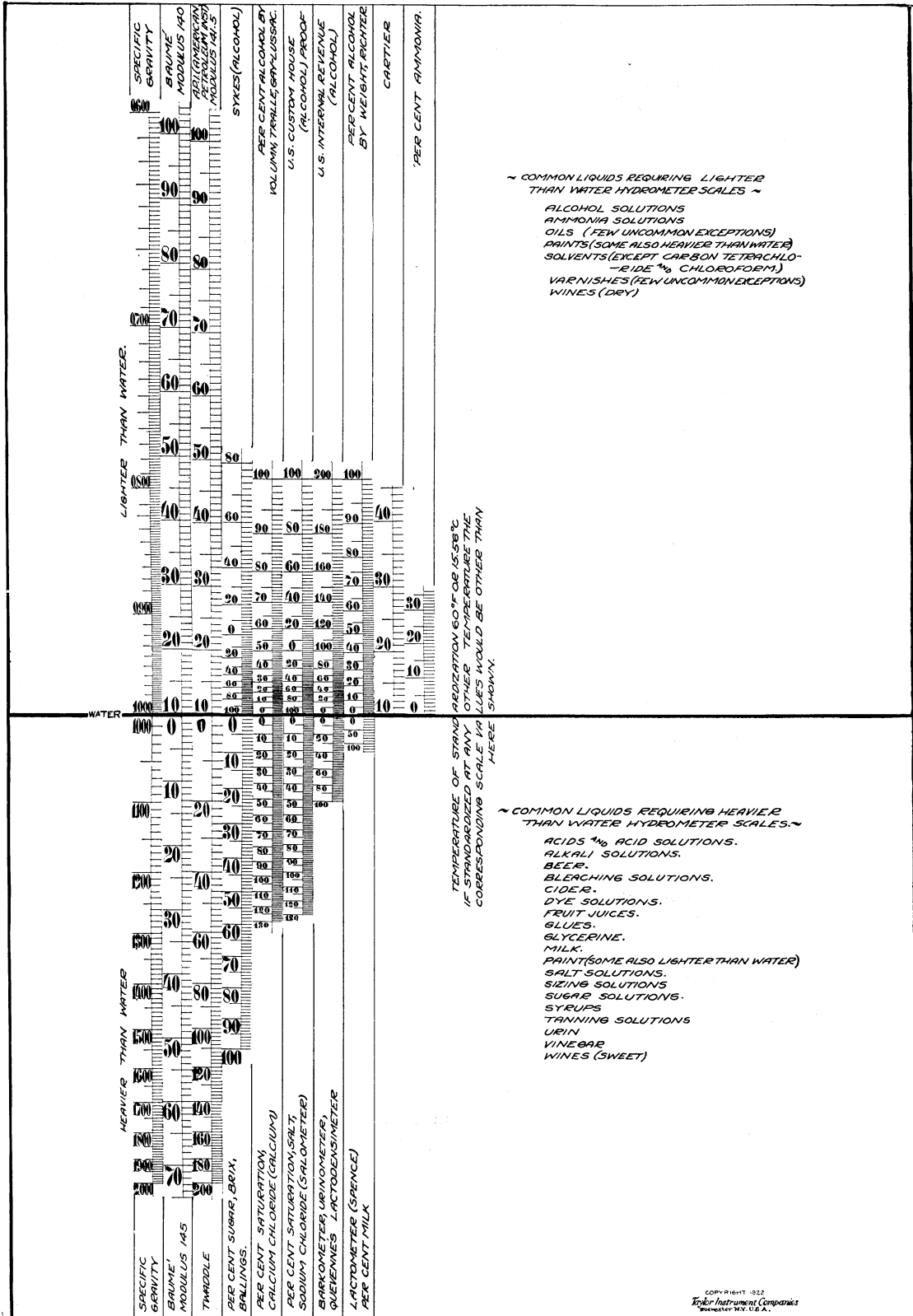
NOTE—Price for separate parts of Nos. 7400 and 7404 quoted on request.

No. 6105S Engraved Battery Thermometer (*ordinary grade*) **\$24.00** PER DOZ.

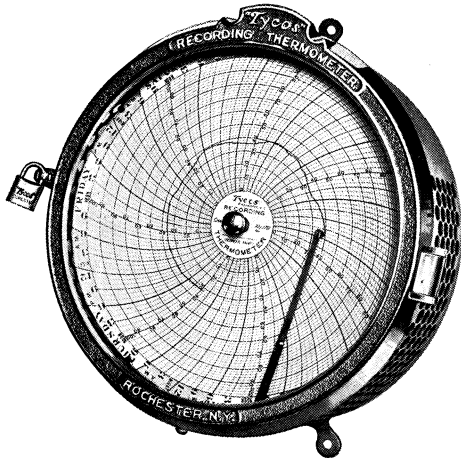
Six-inch magnifying tube filled with non-fading easy-reading red liquid; approximate temperature range 20 to 120° F., in 1° graduations; in hard-rubber case.



~ HYDROMETER SCALES. ~



Recording Thermometers



†No. 8000

Self-Contained Recording Thermometer



†No. 8001

Capillary Recording Thermometer

Self-Contained Recording Thermometer

A superior instrument of handsome appearance, approximately 11 inches in diameter, sturdy and of practicable construction. The body of the case is finished white-enamel, while the solid-bronze hinged front is polished nickel plate.

Especially adapted to record out-of-door temperatures, or for use in stores, offices, etc., where the temperature is within the limits of zero and 150 degrees Fahrenheit, or the equivalent Centigrade.

		EACH	
		WITH 12-HOUR OR 24-HOUR CLOCK	WITH OTHER THAN 12- HOUR OR 24-HOUR CLOCK
†No. 8000	<i>Tycos</i> Self-Contained Recording Thermometer . .	\$63.00	\$68.00
With 100 charts; bottle of <i>Tycos</i> Recorder ink, lock, etc.			

Capillary Recording Thermometer

When it is desired to install the thermometer at a convenient point with its bulb at a distance, in contact with the temperature a record of which is being made, this type of recording thermometer should be used.

The moisture-and-dust-proof case is 11 inches wide and 14½ inches high, finished dull instrument-black, or white-enamelled if so specified. Six feet of flexible connecting tubing is furnished regularly, but any length up to 25 feet will be supplied as an extra if required.

This instrument is used extensively for furnishing an ink record of the out-of-door temperature. Placed in the show window or at the entrance, it attracts attention of passers-by. Used by merchants, banks, clubs, etc. as a display and publicity feature.

		EACH	
		WITH 12-HOUR OR 24-HOUR CLOCK	WITH OTHER THAN 12- HOUR OR 24-HOUR CLOCK
†No. 8001	<i>Tycos</i> Capillary-Type Recording Thermometer . .	\$105.00	\$110.00
With six feet of flexible connecting tubing; 100 charts; bottle of <i>Tycos</i> Recorder ink, lock, etc.			

Write for Catalog Part 8000 for more complete information regarding *Tycos* Recording Thermometers.



Mercurial Barometers

Observatory Type

†No. 6180 *Tycos* Observatory-Type Mercurial Barometer **EACH \$150.00**

Over-all length 39 inches; scale range 26 to 31 inches; inch and metric scale with double vernier reading to 1/100 of an inch and 1/10 mm; glass cover protects the scale; improved design of cistern makes it impossible for air to get into the tube in transit; black-oxidized brass stem; silvered scales with black-filled figures and graduations. No panel with this instrument.

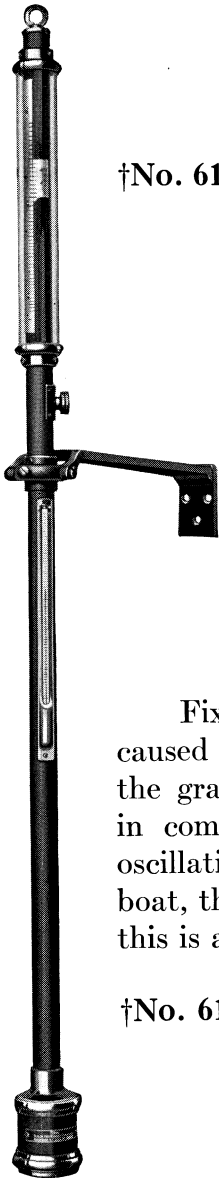
†No. 6180G *Tycos* Observatory-Type Mercurial Barometer **163.50**

Same as No. 6180, except mounted on mahogany-finished panel (as illustrated). Size of panel 4 inches by 44 inches.

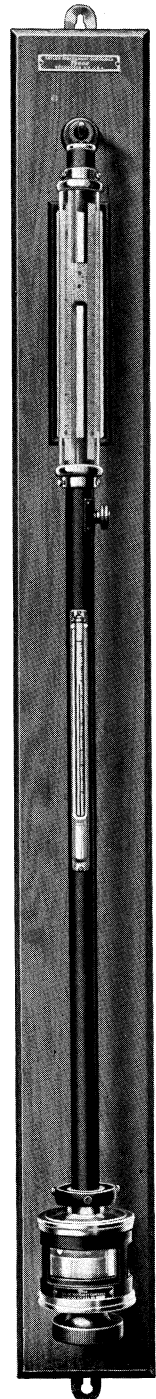
Extras

†“A” (Range for Altitudes up to 5000 feet) . . . **7.00**
 †“B” (“ “ “ “ “ 8000 “) . . . **11.00**

†“G” Mahogany-Finished Panel only, for No. 6180 Mercurial Barometer **13.50**



No. 6185
 (About one-sixth actual size)



No. 6180-G
 (About one-sixth actual size)

Marine Type

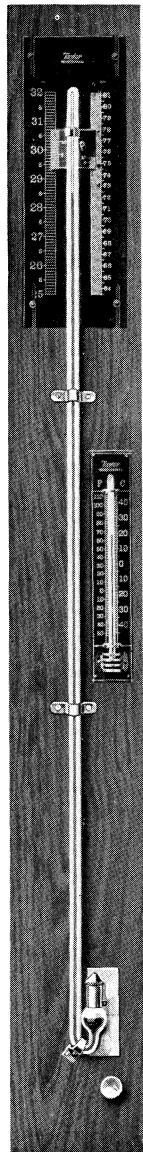
Fixed cistern without zero adjustment. The deviation caused by a rising or falling column is compensated for in the graduation of the scale. Each instrument is pointed in comparison with a standard barometer. To prevent oscillation of the mercury column from the motion of the boat, the lower end of the tube is contracted, and below this is a chamber to prevent small particles of air rising.

†No. 6185 *Tycos* Marine Barometer (best grade) **EACH \$150.00**

Inch scale, 26 inches to 31 inches, 1/10-inch divisions, vernier reading to 1/100-inch; 1/4-inch-bore barometer tube, black-oxidized-finish brass stem; nickel-silver scale and vernier, with black-filled figures; Fahrenheit-scale engraved thermometer mounted on stem; gimbals arm for attaching; length over all 38 inches. Each in a carrying box. Weight about 36 pounds.

Mercurial Barometers

For Schools and Colleges



No. 6190
(About one-seventh actual size)

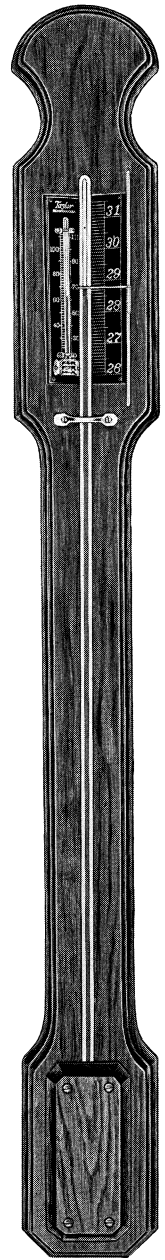
EACH

No. 6190 *Taylor Improved Barometer for Schools and Colleges (medium grade)* **\$36.00**

For use in altitudes from sea level to 3000 feet; double scale: (inch scale, 25 inches to 32 inches, $\frac{1}{10}$ -inch divisions, vernier reading to $\frac{1}{100}$ -inch; metric scale, 64 cm. to 81 cm., $\frac{1}{10}$ cm. divisions, vernier reading to $\frac{1}{10}$ mm); $\frac{1}{8}$ -inch-bore barometer tube; black-oxidized metal scale and vernier, with white-filled figures; sliding scale to allow for changing level of mercury in the cistern; screw attachment for blocking the mercury; mounted on oak board with F. and C.-scale thermometer; length over all, 39 inches. Each in a box. Weight about 36 pounds.

Extra Tube for No. 6190, filled with mercury, *with* screw stopper **13.50**

Extra Tube for No. 6190, filled with mercury, *without* screw stopper **12.00**



No. 6196
(About one-seventh actual size)

Library Barometer

EACH

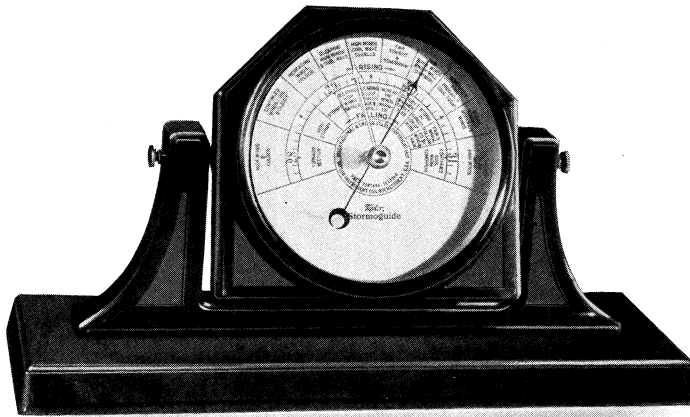
No. 6196 *Library Barometer (ordinary grade)* . . . **\$36.00**

Inch scale, 26 inches to 31 inches, $\frac{1}{10}$ -inch divisions; sliding metal pointer; $\frac{1}{8}$ -inch-bore barometer tube; black-oxidized metal scale with white-filled figures; mounted with thermometer on oak board; approximate temperature range of thermometer 10 to 120° F.; length over all 42 inches. Each in a box. Weight about 36 pounds.

No. 6196A Extra tubes for No. 6196, filled with mercury. **13.50**

Taylor Stand "Stormoguide"

The Simplified Barometer



No. 2259 Taylor Stand "Stormoguide"

Plain, simple, dignified; this Taylor "Stormoguide" in its handsome bakelite case is not out of place in the most beautiful surroundings.

Has walnut-finish bakelite case and stand, 4½-inch gold-toned dial, good-grade aneroid movement, and the same revolving-back feature as No. 2258 (below), for setting the instrument for the altitude of the locality where it is to be used, from sea level to 2500 feet above.

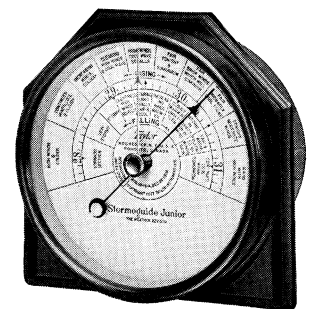
Taylor "Stormoguide Junior"

The Simplified Barometer

"Stormoguide Junior" is a husky little weather advisor, capable of foretelling the coming weather conditions with surprising certainty. Its 4½" white dial is divided into segments, each segment containing information pertinent to the weather conditions twelve to twenty-four hours in advance. These forecasts are the result of careful research and extensive observation and tabulation over a long period of time.

The predictions are for your locality and you are advised of changing conditions as soon as they occur, making it possible to plan business or social engagements with the knowledge of coming weather conditions.

By turning a revolving plate in the back, the instrument is adjusted easily to the altitude in which it is to be used, if from sea level to 2500 feet elevation. The bakelite case is finished a handsome mahogany, and houses a good-grade aneroid movement.

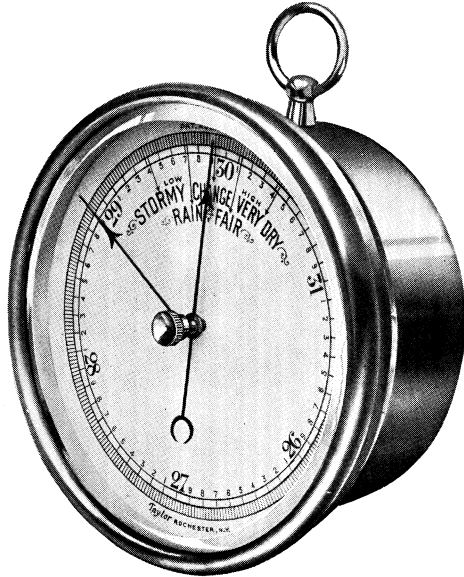


No. 2258
"Stormoguide Junior"

Prices and more detailed information on "Stormoguides", on application.

Brass-Case Aneroid Barometers With Revolving Back

Adjustable for any altitude up to and including 7,000 feet



(Front View)



(Back View)

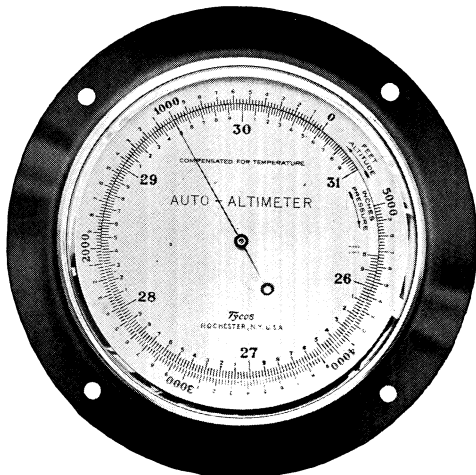
No. 2252

(About one-half actual size)

It is necessary to arrange all "weather words" on aneroid barometers in relation to the barometric-pressure scale at sea level, in order to fix a standard level for observation. Since barometric reading is affected by altitude, and it is obviously impossible, because of the enormous variety involved, to make special instruments for various altitudes from sea level upwards, the desirable barometer is one provided with a means of adjustment whereby the observer may take observations at any desired location, agreeing with sea-level readings.

These instruments are so arranged that they are suitable for use from sea-level to 3,500 feet, or from 3,500 feet to 7,000 feet elevation. The adjustment is very simple, no derangement of the working parts is necessary, and once adjusted by the observer for a given location, no further adjustment is required.

By turning the graduated plate set in the back of the case (this is easily done with the fingers) until the number of feet corresponding to the elevation of the city or town is opposite the arrow on the case, the hand will point to the proper weather mark and the reading will be the same as that of the U. S. Weather Bureau, which is sea-level reading.



No. 2073C

Tycos Auto-Altimeter

The Aristocrat of the Cowl

Designed to give instantly the height of one place above another. Made in three patterns, to measure upwards to 5,000, 10,000 or 16,000 feet.

Second only in interest to your speedometer. Not affected by the jolting or the vibration of the car.

As ruggedly constructed as were our *Tycos* Altimeters for war service.

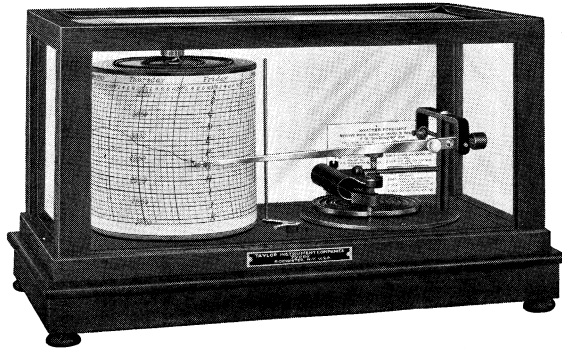
Works as a weather indicator when car is in garage.

All war-time improvements are embodied in this post-war product.

Write for Catalog Part 2000 for more complete information regarding Altimeters, Barometers and other Meteorological Instruments.

“Cyclo-Stormograph”

(Automatic Weather Forecaster)



No. 2314

The *Tycos* “Cyclo-Stormograph” is the very latest device for automatically registering weather changes, and the new style of chart makes it possible to get immediately information on “what to expect;” information which is of value and interest to everyone.

When this instrument is exposed in a window, the public will call frequently for the forecasts furnished.

Used by bankers, yachtmen, builders, merchants, and others in various walks of life whose interests need safeguarding by advance weather information.

Writes “tomorrow’s weather” on a chart. A magnificent and exclusive addition to any store.

Will bring people to your window every day of every year.

Gets you newspaper notices, costing less than any other form of advertising.

Simplified chart—a child can read it.

Makes your store a local weather bureau.

Handsomely mounted in polished-mahogany case with glass cover.

With each “Cyclo-Stormograph” comes an attractive display card 7½ inches wide by 4¼ inches high, made by the carbon-photo process. Pockets on back contain daily forecast cards. The office boy can change them. Look at your “Cyclo-Stormograph” and if the pen indicates between “A” and “B,” and the line is a downward one, take from the pocket the card stamped “A & B Falling” and place in metal holder on face of display card. It reads:—“Continued Cool, Warmer and Cloudy tomorrow.”

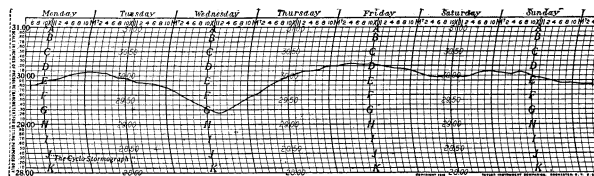
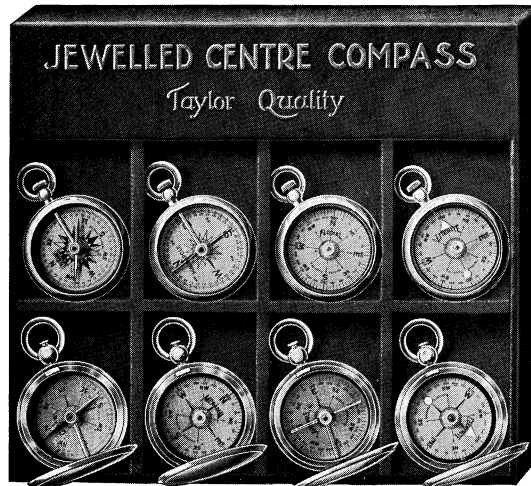


Chart used with the *Tycos* “Cyclo-Stormograph” (reduced)

Write for Catalog Part 2000 for more complete information regarding Barometers and other Meteorological Instruments.

“Taylor-Quality” Compasses



No. 2909
(About one-third actual size)

“Taylor-Quality” Pocket Magnetic Compasses are the result of years of study and research in a factory with more than half a century of experience in the manufacture of meteorological instruments, and with every possible device for the improvement of the product.

The nationally-advertised line. Attractively packed, each compass in an individual container. On account of their construction all these compasses can be repaired when broken. This is not possible with other makes. No loss from damaged stock.

Write for special compass booklet.



All hunter-case “Taylor-Quality” Compasses are packed in this individual paper box

Hunter-Case Patterns are Gydaawl, Aurapole, Meradial, Ceebynite and Usanite.



Weather Series for the Amateur

By P. R. Jameson, F.R.Met.Soc., F.R.G.S.

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| | NET
PER 100 |
| Booklet A "Practical Hints for Amateur Weather Forecasters" | \$10.00 |
| Thirty-two pages, illustrated, of information on the care and exposure of barometers, how to set for sea level, effect of temperature on the weather, etc. Scale of winds, general indications and approximate forecasts for the barometer scale, for either rising or falling indications. | |
| Booklet B "Humidity, Its Effect on Our Health and Comfort" | 10.00 |
| Twenty-four pages, illustrated, on matters concerning the necessity of correcting present-day inside moisture conditions, which are dangerous to health and deprive us of ordinary comfort. Hygrometer and dew-point tables included in this book. | |
| Booklet C "The Mountains of Cloudland and Rainfall" | 10.00 |
| Twenty-four pages, illustrated with different types of clouds and ancient and modern rain gauges. Rainfall is dealt with in a very concise manner. Information given on the variety and speed of clouds, with their elevation. Different kinds of clouds are described, so that it is an easy matter for any observer to recognize them quickly. | |
| Booklet D "The Thermometer and Its Family Tree" | 10.00 |
| Twenty-four pages, illustrated with thermometers from the time of their invention to the present day. The history of the birth and development of this instrument is popularly dealt with and the different scales in use on all types are clearly described. The manufacture of thermometers is described in plain language, including the manufacture of the glass from which they are made. | |
| Booklet E "The Barometer as the Foot-Rule of the Air" | 10.00 |
| Twenty-four pages, illustrated. An elementary booklet describing the invention of the barometer and the processes it has gone through to bring it to its present status. The air, its density and weight, are simply described, also information as to the correct method of using barometers to measure heights, corrections necessary for absolute readings, and the use of the vernier. | |
| Booklet F "The Compass, the Signpost of the World" | 10.00 |
| Twenty-four pages, illustrated. History of the compass, its invention and use, clearly given. A map giving declination of the compass for all parts of the United States is also included. | |
| Note —Above books contain a wealth of valuable sales and service information. Should be on sale in every store handling any of the above instruments. They retail at 15 cents each. | |
| | NET
EACH |
| Book G "Weather and Weather Instruments" | .75 |
| Most books on this subject are either so scientific that they are "beyond" the ordinary layman, or so superficial as to be practically useless. "Weather" is a summary of the information contained in the six booklets described above. It covers the subject of weather in sufficient detail for the layman, deals with the construction and proper use of instruments used in observing the weather, and gives the history of the development of many of them. Has 140 pages handsomely and durably bound in imitation leather, lettered in gold. Retail at \$1.00 each. | |



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NEW NUMBERS	OLD NUMBERS	NEW NUMBERS	OLD NUMBERS	NEW NUMBERS	OLD NUMBERS	NEW NUMBERS	OLD NUMBERS
21,020	1463	21,413	1484-SA	22,060	7112	22,240	7122
21,024	1464	21,418	1485	22,070	1524	22,241	7122-A
21,028	1467	21,419	1485-A	22,100	1500	22,242	7122-B
21,032	1469	21,430	1484-C	22,112	7114	22,243	7122-D
21,060	1429	21,431	1484-CA	22,113	7114-A	22,244	7122-E
21,064	1472	21,432	1484-SC	22,114	7114-B	22,245	7122-F
21,068	1431	21,433	1484-SCA	22,115	7114-D	22,246	7122-G
21,230	1400	21,438	1485-C	22,116	7114-E	22,282	1548
21,232	1401	21,439	1485-CA	22,117	7114-F	22,290	1546
21,234	1402	21,460	1486	22,118	7114-G	22,300	1556
21,236	1403	21,461	1486-A	22,126	1552	22,310	1560
21,238	1404	21,461	1496-A	22,130	1553	22,316	1561
21,240	1405	21,462	1496	22,131	1553-A	22,320	7124
21,242	1407	21,466	1494	22,132	1553-B	22,321	7124-A
21,250	1408	21,467	1494-A	22,133	1553-D	22,322	7124-B
21,252	1409	21,472	1495	22,134	1553-E	22,323	7124-D
21,254	1410	21,473	1495-A	22,140	7120	22,324	7124-E
21,256	1411	21,480	1486-C	22,141	7120-A	22,360	1566
21,258	1412	21,481	1486-CA	22,142	7120-B	22,390	7134
21,260	1414	21,481	1496-CA	22,143	7120-D	22,391	7134-A
21,270	1440	21,482	1496-C	22,144	7120-E	22,392	7134-B
21,271	1440-A	21,486	1494-C	22,145	7120-F	22,393	7134-D
21,274	1441	21,487	1494-CA	22,146	7120-G	22,394	7134-E
21,275	1441-A	21,487	1494-CA	22,147	7120-H	22,395	7134-F
21,278	1442	21,492	1495-C	22,148	7120-J	22,396	7134-G
21,279	1442-A	21,493	1495-CA	22,149	7120-K	22,397	7134-H
21,282	1443	21,493	1495-CA	22,150	7120-L	22,398	7134-J
21,283	1443-A	21,560	1126	22,151	7120-N	22,420	1586
21,286	1444	21,561	1126-A	22,152	7120-P	22,500	7152
21,287	1444-A	21,566	1127	22,153	7120-R	22,510	7152-B
21,290	1445	21,567	1127-A	22,154	7120-U	22,511	7152-BF
21,291	1445-A	21,567	1127-A	22,155	7120-W	22,520	1638
21,294	1447	21,580	1100	22,156	7121-Y	22,530	7164
21,295	1447-A	21,581	1100-A	22,170	1531	22,532	7168
21,300	1448	21,582	1100-P	22,176	1592	22,550	7150
21,301	1448-A	21,583	1100-PA	22,177	1592-A	22,560	1648
21,304	1449	21,586	1101	22,178	1592-B	22,950	7466-A
21,305	1449-A	21,587	1101-A	22,200	1520	22,952	1732
21,308	1450	21,588	1101-P	22,210	1521	22,954	7466-C
21,309	1450-A	21,589	1101-PA	22,220	7116	22,956	7466-D
21,312	1451	21,592	1102	22,221	7116-A	22,958	7466-EF
21,313	1451-A	21,593	1102-A	22,222	7116-B	22,960	7466-G
21,316	1452	21,594	1102-P	22,223	7116-D		
21,317	1452-A	21,595	1102-PA	22,232	1555		
21,320	1454	21,860	1142				
21,321	1454-A	21,861	1142-A				
21,410	1484	21,870	1141				
21,411	1484-A	21,871	1141-A				
21,412	1484-S	21,874	1120				
		21,875	1120-A				
		21,878	1121				
		21,879	1121-A				
		21,884	X3045				
		21,885	X3045-A				