

AMERICAN THERMOMETER COMPANY

DIVISION OF ROBERTSHAW THERMOSTAT CO.
YOUNGWOOD, PA.

Manufacturers of

PRECISION
TEMPERATURE INDICATING
and CONTROLLING DEVICES

for

REFRIGERATION, HEAT *and*
AIR CONDITIONING

SAINT LOUIS 3, MO.



CATALOG NO. 45

American Precision Thermometers

- *A Distinctive Selection
of Fine Instruments for
Indoor and Outdoor Use*

All of these instruments are made to exacting standards. The various frames are of White Vitreous-Enamel, Lacquered Steel, Wood, Tin, Lithographed Metal or Plated Brass.

The Vitreous-Enamel Instruments are stampings made from Enameling Steel, and are fired in a modern, vitreous-enameling furnace. The scale graduations, numerals and letters are legibly printed and permanently fused into the enameled surfaces.

The Wood-Back Instruments are made from selected wood stock to meet each individual requirement. The scales of the Wood-Back and Metal-Case Instruments are machine engraved on Silvered or Black Finished Brass, or lithographed on metal.

The scale ranges specified for these thermometers are average. We will furnish ranges within 20 degrees of the approximate ranges shown.

Odd Catalog Numbers indicate Red Spirit filled tubes. Even Catalog Numbers indicate Mercury filled tubes.

CATALOG No. 45

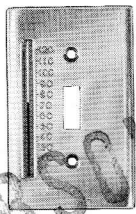


AMERICAN THERMOMETER COMPANY . . ST. LOUIS 3, MO., U. S. A.

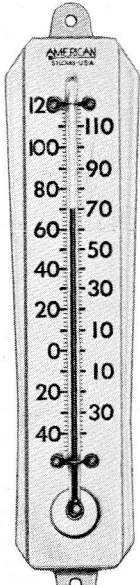
DIVISION OF ROBERTSHAW THERMOSTAT CO., YOUNGWOOD, PA.

MANUFACTURERS OF *Precision* TEMPERATURE INDICATING and CONTROLLING DEVICES

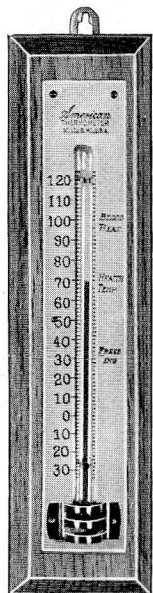
AMERICAN Precision THERMOMETERS



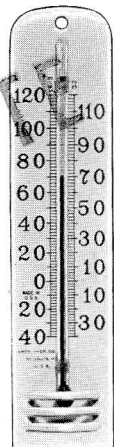
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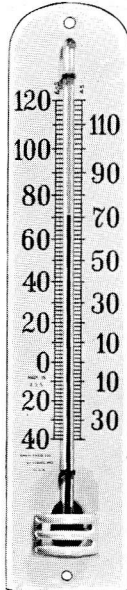
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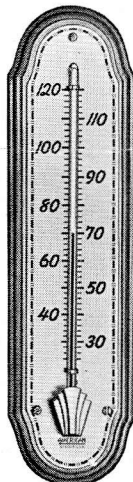
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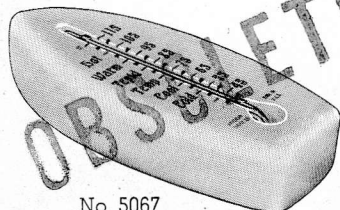
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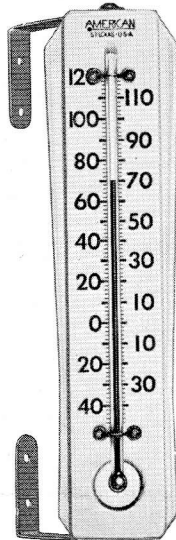
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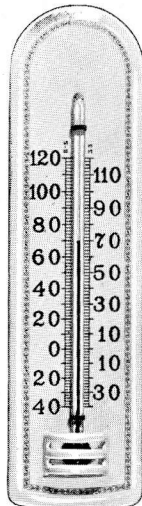
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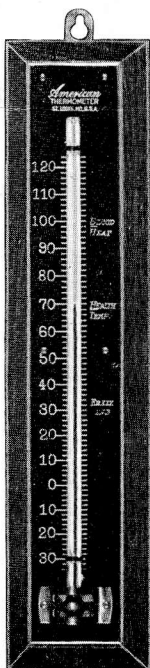
No. 5067



No. 5009



No. 5075



No. 5057

METAL FRAME HOUSEHOLD THERMOMETERS

No. 5005—"Temp-Plate" 4 1/2" Satin Chrome Switch Plate Thermometer.

Attaches to standard toggle switch. Plate size, 4 1/2" x 2 3/4". Scale and numerals stamped in plate. Red Spirit filled magnifying lens tube. Scale range: +20° to +120° F. in 2° divisions. Packed in individual box.

No. 5007—6" White Lacquered Wall Thermometer.

Frame 6" x 1 3/8". New design protective guard integral with frame. Alternating scale and numerals in black. Red Spirit filled magnifying lens tube. Average range: -40° to +120° F. in 2° divisions. Packed in individual box.

No. 5009—7" White Vitreous Enamel Window Thermometer.

Frame 7 1/2" x 2". Attaches to window, door frame or porch with two rust-resisting brackets. Alternating scale and numerals in black. Red Spirit filled magnifying lens tube. Average scale range: -40° to +120° F. in 2° divisions. Packed in individual box with brackets and screws for attaching.

No. 5011—Wall Thermometer.

Same as No. 5009 except mounting holes at top and bottom instead of brackets.

No. 5033—8" White Lacquered Thermometer.

Frame 8" x 1 3/4" with mounting holes top and bottom. Alternating scale and numerals in black. Red Spirit filled magnifying lens tube. Average scale range: -40° to +120° F. in 2° divisions. Packed in individual box.

No. 5075—7" White Lacquered Thermometer.

Frame 7" x 2" with concealed hanger. Alternating scale and numerals in black. Red Spirit filled magnifying lens tube. Average scale range: -40° to +120° F. in 2° divisions. Packed in individual box.

WOOD-BACK HOUSEHOLD THERMOMETERS

No. 5029—8" Wood-Back Wall Thermometer.

Wood-back 7 1/2" x 2" beveled. Natural Oak finish. Engraved silvered scale 6 1/8" x 1 1/8", showing temperature terms. Sturdy nickel-plated guard. Red Spirit filled magnifying lens tube. Average scale range: -30° to +120° F. in 2° divisions. Packed in individual box.

No. 5031—8" Wood-back Wall Thermometer.

All specifications same as No. 5029 except black finished brass scale and nickel plated guard.

No. 5057—6" Wood-back Wall Thermometer.

Wood-back 6 7/8" x 1 3/4" beveled. Mahogany finish. Engraved black finished brass scale, 6 1/8" x 1 1/8", showing temperature terms. Nickel plated guard. Red Spirit filled magnifying lens tube. Average scale range: -30° to +120° F. in 2° divisions. Packed in individual box.

No. 5067—American Baby Bath Thermometer.

Floating, boat-shaped wooden frame 4" x 2" x 1". Finished in Baby Blue or Baby Pink, colored (harmless) enamel. Red Spirit filled magnifying lens tube, countersunk below-deck, placing bulb well below water level. No dangerous unprotected surfaces. Scale numerals and bath terms printed on deck in black. Average range: +40° to +115° F. in 5° divisions. Packed in individual box.

No. 5085—Attractive Indoor Satin Brass Finished Scale Wood-back Thermometer.

Size of frame, 6 3/4" x 1 3/4". Red Spirit filled magnifying lens tube. Average scale range: +30° to +120° F. in 2° divisions. Packed in individual box.

TIN CASE THERMOMETERS

No. 5043—10" Tin Case Thermometer.

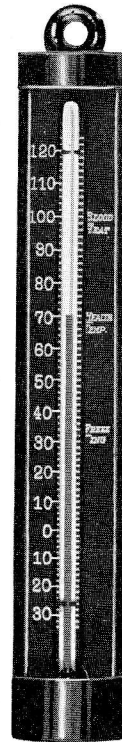
Black Japanned Case. Engraved black finished brass scale, $9\frac{3}{4}$ " x $1\frac{1}{8}$ ", showing numerals and health temperature terms in white. Red Spirit filled magnifying lens tube. Average scale range: -30° to $+120^{\circ}$ F. in 2° divisions. Packed in individual box.

No. 5048—10" Tin Case Thermometer.

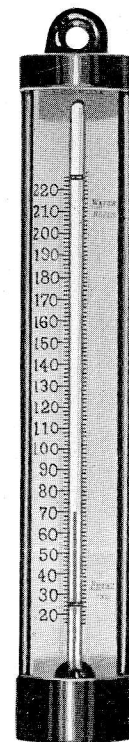
Black Japanned Case. Engraved silvered brass scale, $9\frac{3}{4}$ " x $1\frac{1}{8}$ ", showing water boiling and freezing terms. Mercury filled magnifying lens tube. Average scale range: $+20^{\circ}$ to $+220^{\circ}$ F. in 2° divisions. Packed in individual box.

No. 5065—10" Tin Case Water Boiling Thermometer.

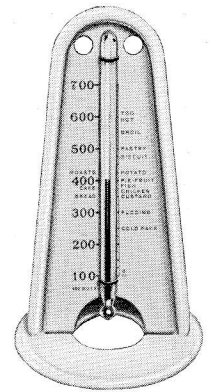
Same specifications as No. 5048 except with Red Spirit filled magnifying lens tube.



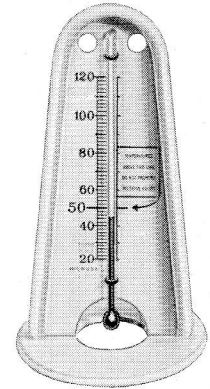
No. 5043



No. 5048
No. 5065



No. 5700



No. 5701

COOKING AND BAKING THERMOMETERS

No. 5700—"Bake-Rite" Oven Thermometer.

White vitreous enamel. $5\frac{1}{2}$ " high with 3" round base. Black numerals, graduations, and cooking chart at right of scale. Large bore, magnifying lens mercury filled tube. Range approximately 100° to 600° F. in 25° divisions. Packed in individual box.

No. 5701—Refrigerator Thermometer.

White vitreous enamel. $5\frac{1}{2}$ " high with 3" round base. Approximate range: 0° to 120° F. in 2° divisions. Scale and numerals in black with special marking at the 50° "safety zone." Red Spirit filled magnifying lens tube. Each in individual box.

No. 5702—Candy Thermometer.

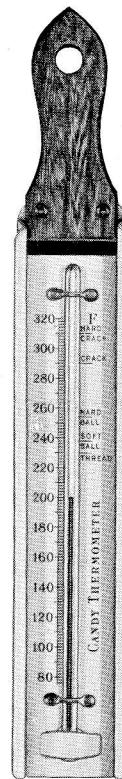
White vitreous enamel. Rigidly attached wood handle. Integral guard, adjustable clip on back for varying vessel depths. Scale and numerals in black. Approximate range: 60° to 320° F. in 2° divisions. Large bore, magnifying lens mercury filled tube. Length overall 11". Various candy terms indicated at right of scale. Packed in individual box.

No. 5704—Combination Candy and Fat Frying Thermometer.

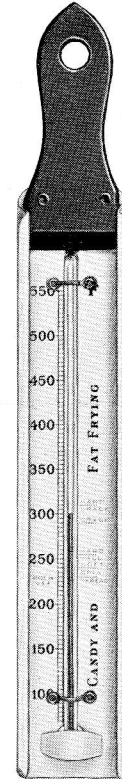
Same general description as No. 5702, except approximate range 100° to 550° F. in 5° divisions.

No. 5706—Deep Fat Frying Thermometer.

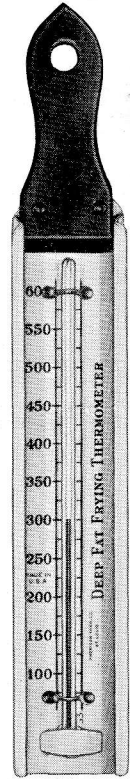
Same general description as No. 5702, except approximate range 60° to 650° F. in 25° divisions.



No. 5702



No. 5704



No. 5706



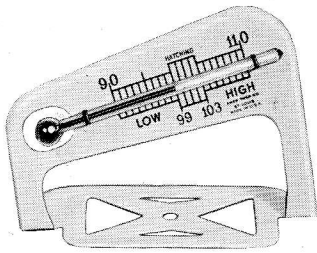
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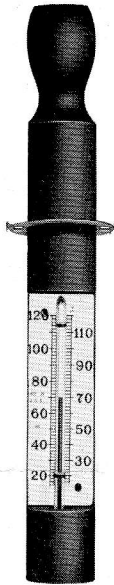
MANUFACTURERS OF *Precision* TEMPERATURE INDICATING and CONTROLLING DEVICES

AMERICAN Precision THERMOMETERS

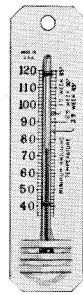
INCUBATOR THERMOMETERS



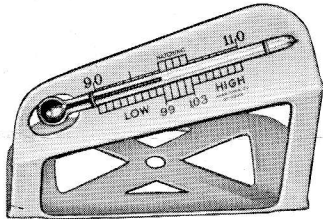
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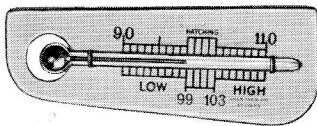
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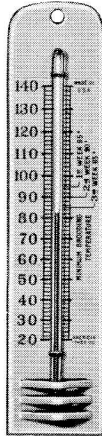
No. 6070



No. 6070



No. 6074



No. 6079

BROODER THERMOMETERS

No. 6073—Brooder Thermometer.

Cylindrical wood handle 8" long by 1" in diameter with one-half of the section cut away for a length of 3", 3 1/2" from the top. Provided with metal flange 2 1/2" from the top of handle. 3" x 1" white lacquered scale. Numerals in black. Range: 20° to 120° F. in 2° divisions. Red Spirit filled magnifying lens tube. Each in individual box.

No. 6077—Brooder Thermometer.

Metal frame 4" x 1 3/8", white lacquered finish. Guard integral with frame. Divisions and numerals in black with minimum brooding temperatures on the side. Range: 20° to 120° F. in 2° divisions. Red Spirit filled magnifying lens tube. Packed in individual box.

No. 6079—Brooder Thermometer.

Metal frame 6" x 1 3/8", white lacquered finish. Guard integral with frame. Divisions and numerals in black, with minimum brooding temperatures on the side. Range: 20° to 140° F. in 2° divisions. Red Spirit filled magnifying lens tube. Each in individual box.

INDUSTRIAL THERMOMETERS

No. 7011—8" White Vitreous Enamelled Hotroom Thermometer.

8 1/4" x 1 5/8", with large hanger hole at the top. Scale and numerals in black. Range: 0° to 220° F. in 2° divisions. Red Spirit filled magnifying lens tube. Each in individual box.

No. 7021—Ham Boiling Thermometer.

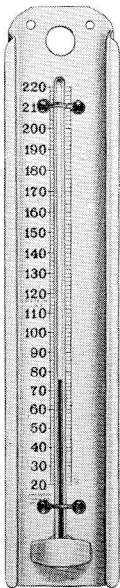
Same as No. 7011 except furnished with wood handle.

No. 7029—Wood-back Ham Boiling Thermometer.

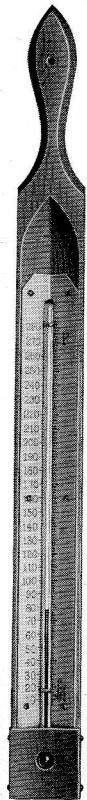
Wood-back ham boiling thermometer, 18" x 1 1/2" x 1 5/8", "V" shaped. Natural maple finish. "V" brass scale 10 1/4" x 1 1/2", silvered. Brass guard. Range: 30° to 280° F. in 2° divisions. Red Spirit filled magnifying lens tube. Each in individual box.

No. 8035—Tobacco Thermometer.

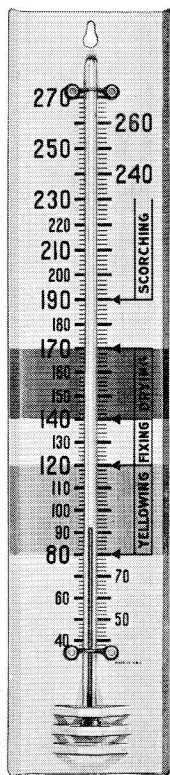
Steel frame with lithographed scale in three colors showing separate ranges for yellowing, fixing and drying temperatures. Size 2 3/16" wide, 11" high, 7/16" deep. Large easily visible numerals. New type guard integral with frame, protects the bulb both in front and rear. Red Spirit filled magnifying lens tube, graduated in 2° divisions. Average range: +40° to 270° F. Packed in individual box.



No. 7011
No. 7021



No. 7029



No. 8035

INDUSTRIAL THERMOMETERS—Cont'd

STAINLESS STEEL THERMOMETERS

Hot Room:—Flanged stainless steel frame— $10\frac{3}{4}$ " x $1\frac{3}{4}$ ". Guard integral with frame, protecting bulb front and back. Engraved scale, satin finish, numerals and graduations in 2° divisions, in black. Mercury or Red Spirit filled magnifying lens tube. Each in individual box.

- No. 8018 —20° to +120° F. Mercury tube
- No. 8019 —20° to +120° F. Red Spirit tube
- No. 8040 +30° to +280° F. Mercury tube
- No. 8041 +30° to +280° F. Red Spirit tube

Ham Boiling:—Same as Hot Room Thermometers except with rigid wood handle—overall length 14 inches.

- No. 8022 —20° to +120° F. Mercury tube
- No. 8023 —20° to +120° F. Red Spirit tube
- No. 8042 +30° to +280° F. Mercury tube
- No. 8043 +30° to +280° F. Red Spirit tube

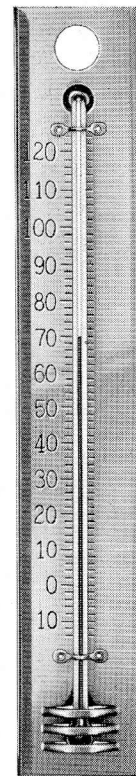
REFRIGERATOR CAR THERMOMETERS

No. 7033—Refrigerator Car Thermometer.

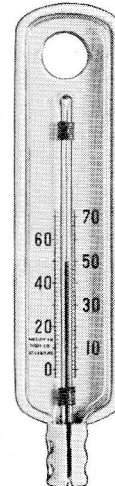
White vitreous enamel finish. Special channeled frame $6\frac{1}{2}$ " x $1\frac{5}{8}$ " with 1" housing on the lower end for protecting the tube and large hanger hole at top. Scale and numerals in black. Range: 0° to 60° or 70° F. in 2° divisions. Red Spirit filled magnifying lens tube, with rubber pads under the clamps. Each in individual box.

No. 7070—Refrigerator Car Thermometer.

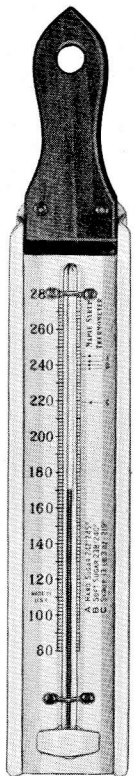
Black vitreous enamel finish. Same specifications as No. 7033 except Mercury filled magnifying lens tube. Each in individual box.



Stainless
Steel
Thermometers



No. 7033
No. 7070



No. 7060
No. 7062

MAPLE SUGAR THERMOMETERS

No. 7060—Maple Sugar Thermometer.

White vitreous enamel finish. Frame $8\frac{1}{4}$ " x $1\frac{5}{8}$ ". With rigid maple wood handle, finished in natural color. Guard integral with frame and with adjustable clip on the back. Scale and numerals in black. Range: 80° to 280° F. in 2° divisions. Mercury filled magnifying lens tube, for use with Imperial Measure. Each in individual box.

No. 7062—Maple Sugar Thermometer.

Same as No. 7060 except U. S. Measure.

HYGROMETERS

No. 7050—Hygrometer.

Wood back, $9\frac{1}{4}$ " x $3\frac{1}{4}$ ", dark oak finish. Wet and dry bulb thermometer, and tubular cistern. Relative humidity table on back. Engraved black scale— $6\frac{3}{4}$ " x 1". Range: 20° to 120° F. in 2° divisions. Mercury filled magnifying lens tube. Each in individual box.

No. 7052—Hygrometer.

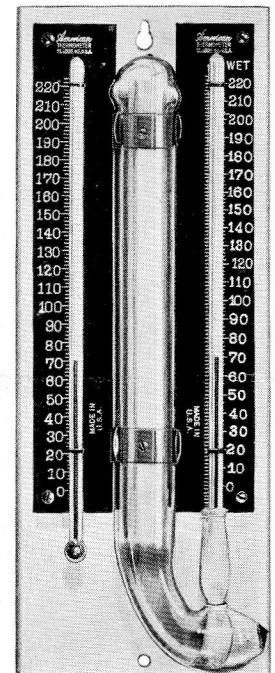
Wood back hygrometer. Same specifications as No. 7050 except range: 50° to 220° F.

No. 7054—Hygrometer.

Same as No. 7050 except with steel back and white finish.

No. 7056—Hygrometer.

Same as No. 7052 except with steel back and white finish.



No. 7050
No. 7052
No. 7054
No. 7056



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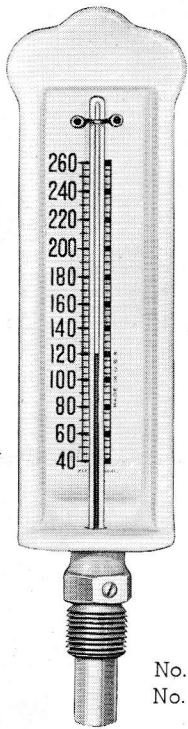
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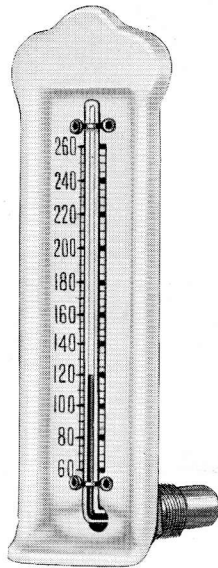
AMERICAN Precision THERMOMETERS

HOT WATER AND BRINE THERMOMETERS

Pressed Steel Frames



No. 7501
No. 7515



No. 7503
No. 7517

No. 7501—Hot Water Thermometer.

Straight form, white lacquered thermometer. Frame $7\frac{1}{2}'' \times 2\frac{1}{4}''$. Red Spirit filled magnifying lens tube. Approximate range in 5° divisions. $+60^\circ$ to $+260^\circ$ F.

No. 7503—Hot Water Thermometer.

Angle form, white lacquered thermometer. Frame $7\frac{1}{2}'' \times 2\frac{1}{4}''$. Red Spirit filled magnifying lens tube. Approximate range in 5° divisions. $+60^\circ$ to $+260^\circ$ F.

No. 7515—Brine Thermometer.

Straight form, white lacquered thermometer, similar to No. 7501. Frame $7\frac{1}{2}'' \times 2\frac{1}{4}''$. Red Spirit filled magnifying lens tube. Approximate range in 2° divisions. 0° F. to $+120^\circ$ F.

No. 7517—Brine Thermometer.

Angle form, white lacquered thermometer, similar to No. 7503. Frame $7\frac{1}{2}'' \times 2\frac{1}{4}''$. Red Spirit filled magnifying lens tube. Approximate range in 2° divisions. 0° F. to $+120^\circ$ F.

Cast Iron Frames

No. 7530—Hot Water Thermometer.

Straight form. Mercury filled magnifying lens tube.
Approximate range: $+60^\circ$ to $+260^\circ$ F. in 5° divisions.

No. 7531—Hot Water Thermometer.

Straight form. Red Spirit filled magnifying lens tube.
Approximate range: $+60^\circ$ to $+260^\circ$ F. in 5° divisions.

No. 7532—Hot Water Thermometer.

Angle form. Mercury filled magnifying lens tube.
Approximate range: $+60^\circ$ to $+260^\circ$ F. in 5° F. divisions.

No. 7533—Hot Water Thermometer.

Angle form. Red Spirit filled magnifying lens tube.
Approximate range: $+60^\circ$ to $+260^\circ$ F. in 5° F. divisions.

No. 7540—Brine Thermometer.

Straight form. Mercury filled magnifying lens tube.
Approximate range: 0° to $+120^\circ$ F. in 2° F. divisions.

No. 7541—Brine Thermometer.

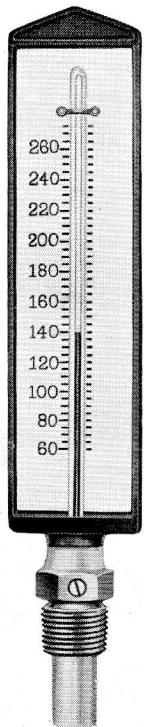
Straight form. Red Spirit filled magnifying lens tube.
Approximate range: 0° to $+120^\circ$ F. in 2° divisions.

No. 7542—Brine Thermometer.

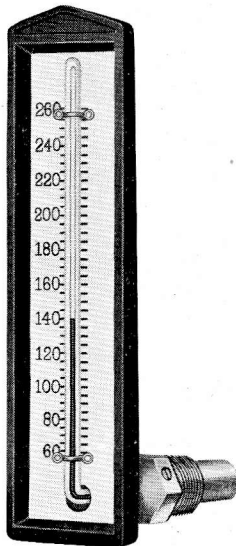
Angle form. Mercury filled magnifying lens tube.
Approximate range: 0° to $+120^\circ$ F. in 2° F. divisions.

No. 7543—Brine Thermometer.

Angle form. Red Spirit filled magnifying lens tube.
Approximate range: 0° to $+120^\circ$ F. in 2° F. divisions.



No. 7530
No. 7531
No. 7540
No. 7541
No. 7550
No. 7552
No. 7554



No. 7532
No. 7533
No. 7542
No. 7543
No. 7560
No. 7562
No. 7564

HIGH TEMPERATURE THERMOMETERS

Cast iron frames, Mercury filled magnifying lens tube only. Standard range in 10° F. divisions:

STRAIGHT FORM

No. 7550 0° to $+400^\circ$ F.
No. 7552 $+100^\circ$ to $+600^\circ$ F.
No. 7554 $+200^\circ$ to $+700^\circ$ F.

ANGLE FORM

No. 7560 0° to $+400^\circ$ F.
No. 7562 $+100^\circ$ to $+600^\circ$ F.
No. 7564 $+200^\circ$ to $+700^\circ$ F.

All Cast Iron Frames are $6\frac{3}{4}'' \times 1\frac{5}{8}''$
and have a Black Japanned Finish

STUDS

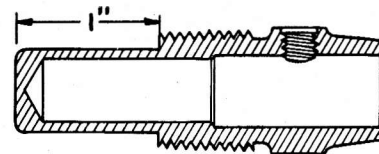
For use with hotwater, brine and high temperature thermometers.

No. T-3752-1—Standard Stud.

Machined from cold drawn steel with $\frac{1}{2}$ " I. P. S. thread. Stem length 1" below thread, Parkerized finish.

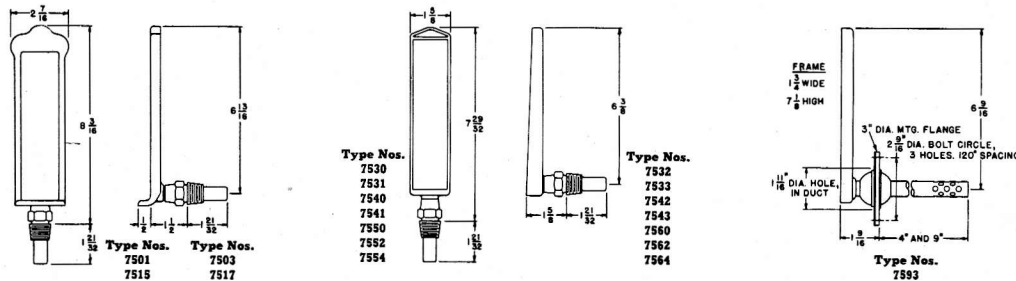
No. T-4285—Special Stud.

Same as T-3752 except $\frac{3}{4}$ " I. P. S. thread.



T-3752-1

DIMENSIONAL DIAGRAMS



SPECIAL THERMOMETERS

No. 7593—Air Duct Thermometer.

Oblique reading Angle Form. Aluminum frame thermometer. 3" nickel plated brass flange for mounting to duct. Ball connection (integral with the frame) to the flange to permit 45° oblique rotation in any plane. The 3" flange is provided with a friction plate for holding the instrument at any desired oblique angle. The distance from the front of the instrument to the back of the flange is $1\frac{9}{16}$ ". Bare bulb protected by 4" brass perforated guard, plated. Engraved black finished brass scale $6\frac{7}{8}$ " x $1\frac{7}{16}$ " with division lines and numerals in white. Approximate range in 2° divisions: -20° to +160° F. Red Spirit filled magnifying lens tube.

No. 7599—Same specifications as No. 7593 except 9" brass perforated guard, plated.

No. 7580—Air Duct Angle Thermometer.

7" x $1\frac{3}{4}$ " cast iron frame, black Japanned finish. 6" white engraved scale with divisions and numerals in black. Mercury filled, magnifying lens tube, average scale range 200° to 600° F. in 10° divisions. Has mounting bracket at base of frame with 5" perforated guard at end to protect bare tube.

No. 8567—Heavy Duty Thermometer.

12" x 2" cast iron frame, black Japanned finish. Very ruggedly constructed and especially made to withstand abuse. Mounting holes top and bottom. 10" white engraved scale with division marks and numerals in black. Average range -20° to +130° F. in 5° divisions. Mercury filled magnifying lens tube etched in 1° divisions.

No. 8569—Diesel Engine Thermometer—Straight Form.

$7\frac{1}{2}$ " x $1\frac{1}{2}$ " malleable iron black Japanned frame with glass enclosed scale. Capable of withstanding severe shocks and vibration without impairing accuracy. 6" white engraved scale with divisions and numerals in black. Red reading mercury filled magnifying lens tube. Scale range -10° to +110° F. in 5° divisions. $\frac{3}{4}$ " I. P. S. separable brass socket.

No. 8570—Same as No. 8569 except range: +30° to +240° F.

No. 8571—Same as No. 8569 except range: +200° to +500° F.

No. 8572—Same as No. 8569 except range: +30° to +240° F. and $\frac{1}{2}$ " I. P. S. separable brass socket.

No. 8573—Same as No. 8569 except range: +200° to +500° F. and $\frac{1}{2}$ " I. P. S. separable brass socket.

No. 8574—Same as No. 8569 except 90° angle.

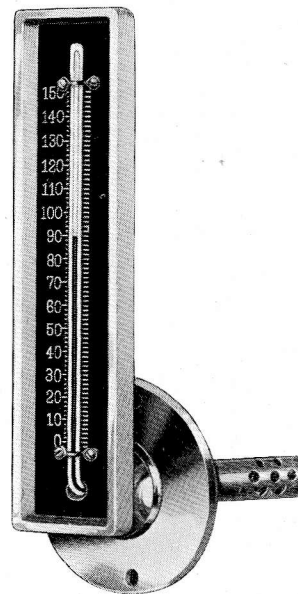
No. 8575—Same as No. 8569 except 90° angle. Range: +200° to +500° F.

No. 8576—Same as No. 8569 except 90° angle. Range: -10° to +110° F. and $\frac{1}{2}$ " I. P. S. separable brass socket.

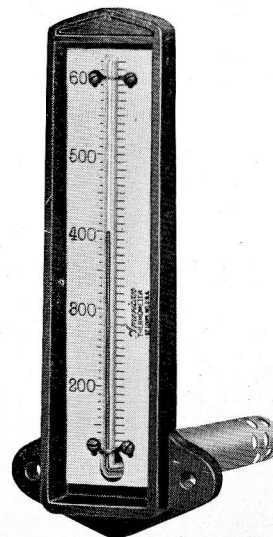
(Nos. 8569, 8570, 8571, 8572, 8573, 8574, 8575 and 8576 are similar to Navy Specifications No. 18T14.)



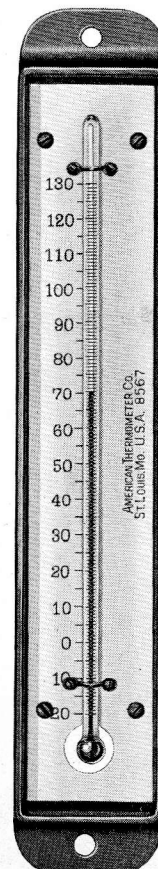
No. 8572



No. 7593



No. 7580



No. 8567

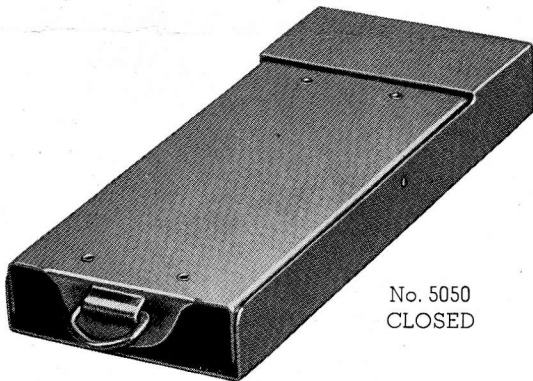
AMERICAN Precision THERMOMETERS

OVEN TEST THERMOMETERS

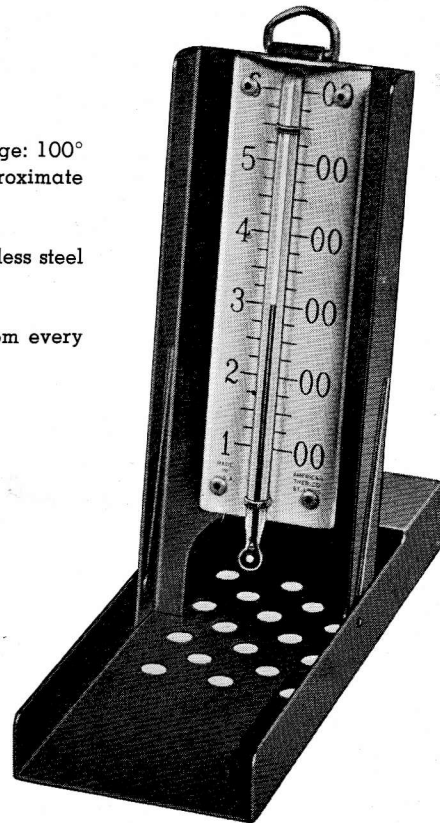
No. 5050—Stainless Steel Case. White Vitreous Enamel Scale. Approximate range: 100° to 650° F. in 25° divisions, magnifying lens tube, yellow back, Mercury filled. Approximate size when closed, 5¼" x 2½" x ¾".

Closed—When not in use, the tube and bulb are completely protected by a stainless steel case, and are capable of withstanding rough handling.

Open—The patented construction exposes the Mercury bulb to heat currents from every direction. The sliding base provides stable support on any flat surface.



No. 5050
CLOSED



No. 5050
OPEN

POCKET TEST THERMOMETERS

American Pocket Test Thermometers are designed for many testing purposes. These engraved stem instruments have a heavy magnifying-lens tube, filled with either Mercury or Red Spirit. Numerals and graduations are deeply etched in the tube and filled with a permanent black for quick reading. The handy pocket cases are plated brass with clip and ring. Thermometers are 5½" long, while the overall length of the closed case is 6". Packed in individual box.

NOTE: Until brass is again available in quantities, these pocket test thermometers will be furnished with black plastic cases.

MERCURY TUBE THERMOMETERS

Number	Range
6500 Pocket Test	-20° to +120° F.
6502 Pocket Test	0° to +220° F.
6504 Meat Testing—Pencil Point	-20° to +120° F.
6506 Meat Roasting—Pencil Point	0° to +220° F.
6508 Meat Roasting—Pencil Point	+100° to +220° F.
6510 Pocket Test—High Temperature	0° to +500° F.

RED SPIRIT TUBE THERMOMETERS

6501 Pocket Test	-20° to +120° F.
6503 Pocket Test	0° to +220° F.
6505 Meat Testing—Pencil Point	-20° to +120° F.
6507 Meat Roasting—Pencil Point	0° to +220° F.

REFILLS—MERCURY TUBE

6520 Pocket Test	-20° to +120° F.
6522 Pocket Test	0° to +220° F.
6524 Meat Testing—Pencil Point	-20° to +120° F.
6526 Meat Roasting—Pencil Point	0° to +220° F.
6528 Meat Roasting—Pencil Point	+100° to +220° F.
6530 Pocket Test—High Temperature	0° to +500° F.

REFILLS—RED SPIRIT TUBE

6521 Pocket Test	-20° to +120° F.
6523 Pocket Test	0° to +220° F.
6525 Meat Testing—Pencil Point	-20° to +120° F.
6527 Meat Roasting—Pencil Point	0° to +220° F.

All Pocket Test Thermometers are graduated in 2° divisions except Nos. 6510 and 6530 which are in 5° divisions.

