

FOURTEENTH EDITION

*Catalog of*  
**EUGENE  
DIETZGEN  
CO.**

*Manufacturers*  
Blue Print Papers  
Drafting Room Supplies  
Surveying Instruments  
and Accessories  
Measuring Tapes



BRANCHES

<b>CHICAGO</b> 2425 Sheffield Ave.	<b>NEW YORK</b> 218 E. 23rd St.	<b>SAN FRANCISCO</b> 523 Market St.
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FACTORY AT CHICAGO

*Cable Address: Anabasis, New York*

## Aneroid Barometers

Watch size, 1 $\frac{3}{4}$  in. diameter

For measuring heights and atmospheric pressure



No. 6898.



6900

Aneroid Barometers are popular with engineers, prospectors, geologists, tourists and all those to whom information on Altitude is of interest and value. The movements of these instruments are carefully compensated to offset the effect of changing temperature and they are so constructed that they do not easily get out of order.

No. 6898. Diameter 1 $\frac{3}{4}$  in., gold plated case, silvered metal dial, altitude scale of 8,000 feet in 100 feet divisions, compensated for temperature, in soft leather case, . . . . . Each, \$

6898E. Like No. 6898, except reading to 12,000 ft. in 100 ft. divisions, "

### Best Quality Aneroid Barometers

Watch size, 1 $\frac{3}{4}$  in. diameter

6900. Diameter 1 $\frac{3}{4}$  in., gold plated case, with highest grade movement, silvered metal dial, movement so arranged that it will not become strained if taken beyond the altitude as engraved on the dial. Altitude scale of 8,000 feet in 50 feet divisions, compensated for temperature, in soft leather case, . . . . . Each, \$

6900E. Like No. 6900, except altitude scale reading to 12,000 feet in 50 feet divisions, . . . . . Each,

6900F. Like No. 6900, except altitude scale reading to 16,000 feet in 100 feet divisions, . . . . . Each,

See Price List in back of Catalog.

## Aneroid Barometers

Pocket Size, 2 $\frac{3}{4}$  In. Diameter

These Barometers are the size preferred by engineers, on account of their being larger and easier to read than the "Watch Size." They are in use at the U. S. Forest Service, U. S. Bureau of Mines, U. S. Bureau of Plant Industry, U. S. Signal Corps, etc.



No. 6906.



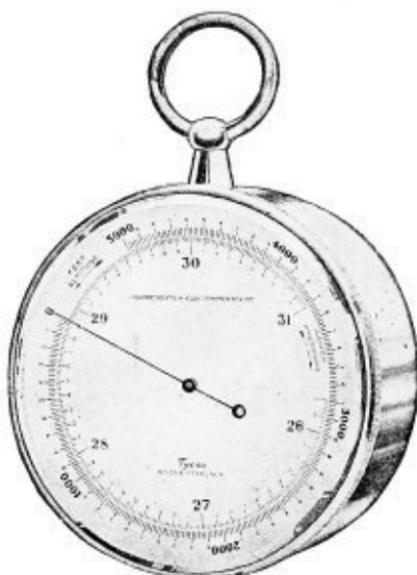
6909.

- No. 6906. Diameter 2 $\frac{3}{4}$  in., gold plated case, with highest grade movement, silvered metal dial. Movement so arranged that it will not become strained if taken beyond the altitude engraved on the dial. Altitude scale of 8,000 feet in 50 feet divisions, compensated for temperature, in soft leather case, . . . . . Each, \$
- 6906B. Like No. 6906, except altitude scale reading to 3,000 feet in 10 feet divisions, . . . . . Each,
- 6906E. Like No. 6906, except altitude scale reading to 12,000 feet in 50 feet divisions, . . . . . Each,
6909. Like No. 6906, except altitude scale reading to 5,000 feet in 5 feet divisions in a double circle. The outer scale is divided to 10 feet, while the scale directly beneath it sub-divides it to 5 feet divisions. No vernier or magnifier required. With certificate of comparison with Standard Mercurial Barometer. In soft leather case, Each,

See Price List in back of Catalog.

## Altitude Aneroid Barometers

For the Use of Engineers, Tourists, Travellers and Motorists.



No. 6911C.

The Altitude Barometer enables anyone to readily determine the altitude of hills or mountains over which he may travel, and will prove an interesting and instructive companion.

It possesses a distinct and valuable advantage over other forms, as the altitude scale, instead of being graduated in unequal divisions as on other barometers, is divided equally and revolves around the barometer pressure dial. This means that the zero on the altitude scale can always be set to the point of the hand, without error, so that in travelling the hand will always point to the true elevation of the instrument from its starting point, without any deduction or addition.

Of American manufacture throughout, with a duplication of the altitude and barometer scales as designed by our Government and having a very thorough mechanical compensation for temperature, these instruments will be found accurate, sensitive, and dependable.

- No. 6911C. Watch pattern,  $2\frac{3}{4}$  in. diameter, and about  $1\frac{1}{4}$  in. deep, grained aluminum case and silvered metal dial with equal altitude scale of revolving type reading to 5,000 feet in 20 feet divisions, in stitched leather sling carrying case, . . . . . Each, \$
- 6911D. Like No. 6911C, but altitude scale 10,000 feet in 50 feet divisions, Each, . . . . .

## Livingstone Travelling Set

This set includes 3 instruments indispensable to the engineer, traveller, tourist, etc. It consists of an Aneroid Barometer, finest quality Watch pattern,  $1\frac{3}{4}$  in. diameter, altitude scale of 8,000 feet in 50 feet divisions, compensated for temperature, Pocket Compass, gilt case, with floating aluminum dial; Ivory Scale Thermometer  $2\frac{1}{2}$  in. with Fahrenheit and centigrade scales in best quality Blue Soft Skiver case with easel back, as illustrated.



No. 6914.

- No. 6914. Livingstone Travelling Set, . . . . . Each, \$

See Price List in back of Catalog.

## Surveying Aneroid Barometers

For Engineering Purposes

These instruments are specially designed to ascertain variations of gradients, levels, etc. For approximate surveys and leveling of roads, railways, canals, water courses and mines they are invaluable, as their readings are so easily and rapidly taken. They are in great demand by geologists in the oil regions for checking up differences in elevation.

The action has been arranged to give accurate readings on a regular scale of altitudes. The barometer scale of inches has been made progressive, to afford the correct relative readings with the scale of altitudes, but this arrangement in no way interferes with their use as an ordinary barometer.

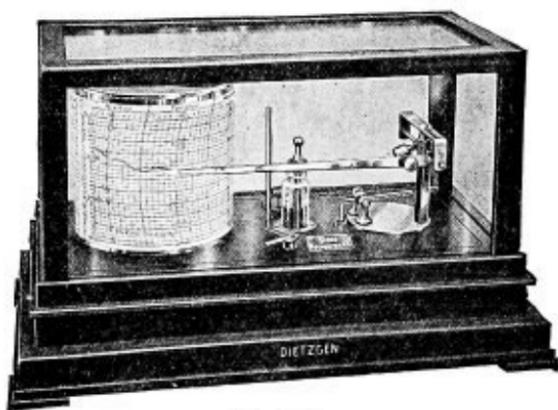


No. 6920D.

- No. 6916. Surveying Aneroid Barometer, aluminum case, 3 in. diameter, silvered metal dial, with revolving altitude scale and device for locking same. This permits revolving the zero of the altitude scale to coincide with needle and then permits locking same. Reading lens arranged to traverse the entire circle. Movement compensated for temperature, altitude scale 6,000 feet reading by vernier to 2 feet of elevation, in solid leather sling case, weight about 38 oz., . . . . . Each, \$
6920. Like No. 6916, except 5 in. diameter, weight about 49½ oz., . . . . . Each,
- 6920D. Like No. 6920, except altitude scale reading to 10,000 feet and by vernier to 2 feet of elevation, . . . . . Each,
- 6920F. Like No. 6920, except altitude scale reading to 16,000 feet and by vernier to 2 feet of elevation, . . . . . Each,

See Price List in back of Catalog.

## Barograph



No. 6934.

This Instrument is constructed to record upon a chart changes in atmospheric pressure for a period of one week, as the clock revolves once in that time. As the top of the chart is divided into seven spaces, and subdivided into spaces representing two hours each, it is possible to tell at what time of day atmospheric conditions undergo a change. Charts universally used show a pressure from 28 in. to 31 in., the value of each division being .05 inches.

When ordering, the town or the altitude of the station where the instrument is to be used should be given.

No. 6934. Barograph. Simplified Form. The movement of the recording pen is controlled by a large vacuum chamber concealed in the base of the instrument. Clock and charts are identical to those of higher priced instruments. Complete with ink and a year's supply of charts, in case having mahogany frame-work, . . . Each, \$

## Pocket Thermometer



No. 6956.

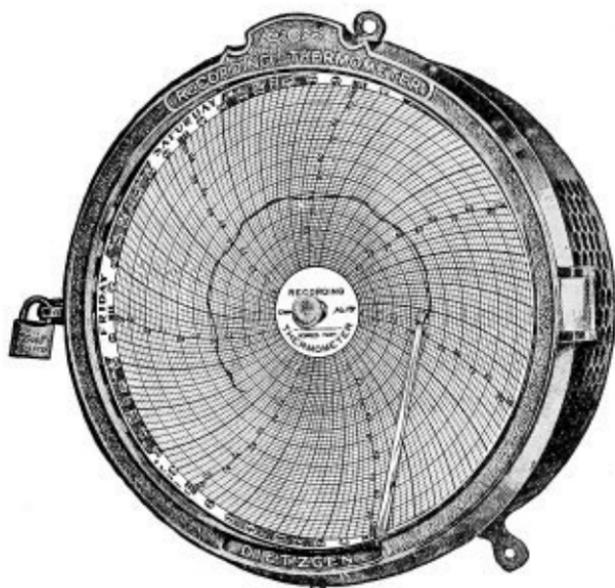
No. 6956. Pocket Thermometer, 5 in., in aluminum case. Approximate range of scale, minus 30° to plus 120° Fahrenheit, in 2° graduations, Each, \$

See Price List in back of Catalog.



## Recording Thermometer

Self Contained



No. 6960.

This Self Contained Recording Thermometer, very sensitive and durably constructed, is especially adapted for industrial purposes and for recording temperatures in public buildings, homes, greenhouses, sun parlors, gardens, etc.

The case, 12 inches overall and equipped with lock and key, is finished in a weather-resisting instrument black which, contrasting with the polished bronze front, gives an exceptionally attractive appearance.

No. 6960. Recording Thermometer, self contained, with bottle of Recorder ink and 100 of any one of the charts described below, Each, \$

Charts.	Range.	Divisions.	Timing
No. 6962A.	10° to 120° F.	2°	1 day
6962B.	0° " 100° F.	2°	1 "
6962C.	0° " 100° F.	2°	7 "
6962D.	10° " 120° F.	2°	7 "
6962E.	0° " 130° F.	2°	7 "
6962F.	-20° " 50° C.	1°	7 "

The above charts and temperature ranges are specially adapted for use with this Recording Thermometer. When ordering, always specify catalog number of the chart desired.

Prices for additional charts in quantities of 100 or 500 quoted on request.

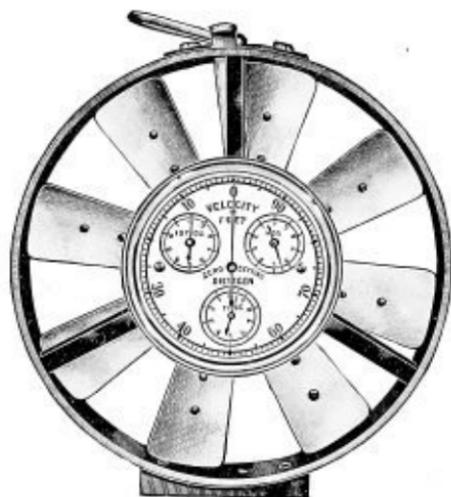
See Price List in back of Catalog.



## Anemometers

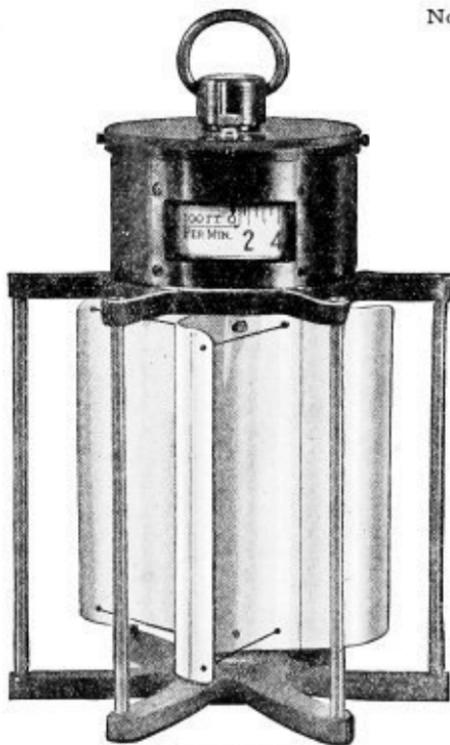
These Instruments are for the measurement of air currents through mines, tunnels and sewers; and the ventilation of hospitals, public buildings, etc.

Velocities of air currents are obtained by means of a delicately poised fan wheel, the recording being commenced by the long hand, which traverses the extreme outer circumference of the main dial for the passage of 100 feet of air. The enumeration is continued by a series of smaller dials. Our Anemometers are made by the latest American machine precision methods and all parts are made to positive standards. The 4 inch Anemometers have a *zero setting arrangement*, by which all of the hands can be set back to zero, or starting point; the sum of the reading, for any single observation, thus being instantly seen without regard to previous tests. A *disconnecter* throws the mechanism out of gear and arrests its action when required. All Instruments are carefully tested and furnished with a table of corrections.



No. 6994D.

*Instruments will stand a pressure of 3,000 ft. per minute.*



No. 6999D.

No. 6993D. Biram type Anemometer, with *disconnecter*, 3 in. diameter, 2 dials reading to 1,000 ft., in leather case, Each, \$

6994D. Biram type Anemometer with *disconnecter* and *zero setting arrangement*, 4 in. diam., 4 dials reading 100,000 ft., in *sewed leather case*, . . . Each, \$

6998D. Biram type Anemometer, *High Speed*, with *disconnecter* and *zero setting arrangement*, 4 in. diameter, 4 dials reading to 100,000 ft., capable of registering strong blast currents up to 3,000 feet per minute, in leather case, Each, \$

6999D. Direct-Reading Anemometer, measures air velocities like a speedometer indicates speed; weight 14 ozs. When held in a vertical position, indicates all air currents it comes in contact with, irrespective of the angle of direction; measures and indicates (without the use of a watch) direct velocities from 100 to 3200 lineal feet per minute; has *automatic zero setting* when inoperative, . . . Each, \$

6999DC. Leather carrying case with shoulder strap, for No. 6999D, Each, \$

*We have the best facilities for testing and repairing Anemometers.*

See Price List in back of Catalog.