

This instrument is featured in
The Barometer Handbook
by David Burch

fischer®

Precision Aneroid Barometer

Precision aneroid barometers are used for measuring accurate values of the absolute atmospheric pressure. Accurate pressure is indispensable for meteorology, weather tactics in ocean navigation, industry, and research.

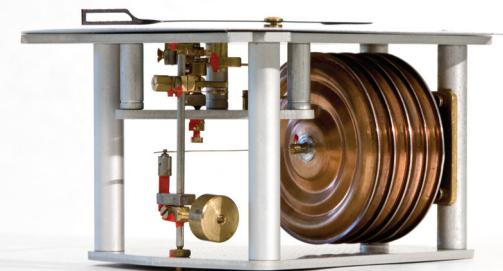
The self-stabilized (*eigenstabil*) set of five aneroid capsules used in this precision instrument is made of a corrosion proof copper-beryllium-alloy. This alloy has been well established for measuring atmospheric pressure for many years because of its remarkable elastic properties. The aneroid capsules are essentially free of age-hardening, hysteresis, and elastic after-effects.

The influence of temperature on the set of aneroid capsules and the transmission system is compensated by a bimetal arm over the whole measuring range and for temperatures between -30 to +40 °C (-22 to 104 °F). The motion of the aneroid capsule is transmitted to the axis of the pointer by driving a geared sector and wheel with high precision gearing. All bearings also have excellent high precision finish. The instruments have the minimum possible internal friction because of the advantageous shape of the levers and bearings.

To all barometer experts, this is among the very best aneroid barometers ever made, worldwide. Its precision double needle removes parallax error in reading. Fischer barometers have been used at sea by professional mariners, navies, and weather services worldwide for over 70 years.

The new dial showing both mb and inches of mercury has been custom made for American and British users.

A certificate of accuracy is provided with each instrument. Each has a unique serial number on a metal plate on the top of the instrument.



Precision movement with 5 aneroid capsules

Unique Serial Number



Accuracy: ± 0.7 mb (± 0.02 in Hg)
Graduation: 0.5 mb and 0.01 in Hg
Dial: flat white finish; diameter 5.1"
Units on dial: mb and inches of mercury, or mb
Housing Diameter: 6.5", Depth: 3.3"
Weight: 1.6 pounds
Measuring Range: 890 to 1050 mb = 26.30" to 31.00"
For use at elevations of 0 to 2,600 ft.

Available from: