

**Precision Aneroid Barometers**  
**Measuring the atmospheric pressure**



**Precision Aneroid Barometer**

Measuring ranges 890 to 1050 hPa | 670 to 790 mmHg [0 to 800 m above sea level]  
760 to 960 hPa | 570 to 720 mmHg [800 to 2.000 m above sea level]

Accuracy  $\pm 0.7$  hPa |  $\pm 0.5$  mmHg

Scale division 0.5 hPa | 0.5 mmHg

Dial 130 mm white

**103PM** | Housing polished brass with screw on flange diameter 165 mm

**103CR** | Housing chromed brass with screw on flange diameter 165 mm



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Accuracy  $\pm 0.7$  hPa |  $\pm 0.5$  mmHg

Scale division 0.5 hPa | 0.5 mmHg

Dial 130 mm silver

**102** | Housing Aluminium with ring suspension diameter 133 mm

**103** | Housing Aluminium with screw on flange diameter 165 mm



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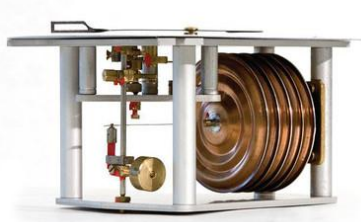
Accuracy  $\pm 0.7$  hPa |  $\pm 0.5$  mmHg

Scale division 0.5 hPa | 0.5 mmHg

Dial 130 mm silver

**104** | Barometer 103 in transportable wooden box 180x180x105 mm

## Features



Precision aneroid barometers are used for measuring the absolute atmospheric pressure. The self-stable set of five aneroid capsules, used in our precision aneroid barometers, is made of a corrosion proof copper-beryllium-alloy. This alloy has been well established for measuring the atmospheric pressure since many years because of its remarkable elastic properties.

The aneroid capsules are nearly 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 over the whole measuring range and for temperatures between -30 to +40 °C (-22 ... 104 °F). The motion of the aneroid capsule is transmitted to the axle of the pointer by driving a segment and wheel with an excellent fine finish of the gearing. All bearings have an excellent fine finish. The Instruments have only got a minimum of idle friction because of the advantageous shape of the levers and bearings.



### 15.01 | Aneroid Barometer

Measuring ranges 960 to 1060 hPa | 720 to 800 mmHg

Accuracy  $\pm 3$  hPa |  $\pm 2$  mmHg

Scale division 1 hPa | 1 mmHg

Housing stainless steel 103 mm