

# DATASHEET



## ARTICLE

**Precision Aneroid Barometer - type 'Datema' - 103 PM - diameter 5" - Messing - Brass**

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## SPECIFICATIONS

Measurements: 60 (l) x 150 (w) x 150 (h) mm

Weight: 1,20 kg

Made in: Germany

HS Code: 90258020

## DESCRIPTION

Precision Aneroid Barometer - type 'Datema' - 103 PM - diameter 5" - Messing - Brass

Aneroid barometer for measurement of the absolute atmospheric pressure. Precision movement with self-stable set of five aneroid capsules made of a copper-beryllium alloy.

Measuring range 890 to 1050 hPa

Accuracy  $\pm$  0.7 hPa

Graduation 0.5 hPa

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.

Case in polished or chromed brass, diameter 165 mm.

Mineral glass cover.

Faceplate: 130mm Ø

Housing: 165mm Ø

Height: 80 mm

Weight: 750 gr