

DATA SHEET

MP 55

Atmospheric pressure



Easy to use



Hold function



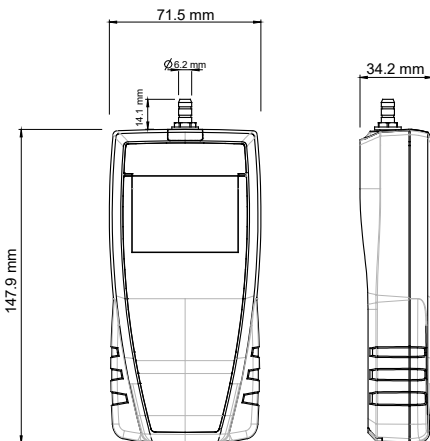
Auto shut-off: 20 minutes

Features of housing

Material	ABS
Protection	IP54
Display	2 lines, LCD technology, 50 x 36 mm. 1 line of 5 digits with 7 segments (value) 1 line of 5 digits with 16 segments (unit)
Height of digits	Values: 9.2 mm. Units: 4.7 mm
Weight	200 g (with batteries)

Technical specifications

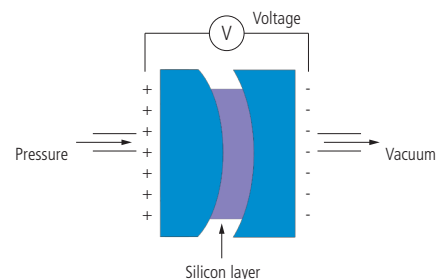
Measuring units	mbar, mmHg, hPa
Measuring range	From 700 to 1100 mbar
Accuracy ⁽¹⁾	±2 mbar
Resolution	0.1 mbar / 0.1 mmHg / 0.1 hPa
Response time	$T_{63} < 10$ s
Measuring element	Piezoresistive sensor
Connections	Barbed connectors, Ø 6.2 mm made of nickelled brass
Conditions of use (°C/%RH/m)	From 0 to +50 °C. In non-condensing conditions. From 0 to 2000 m.
Storage temperature	From -20 to +80 °C
Power supply	4 batteries AAA LR03 1.5 V
Battery life	180 hours



Operating principles

Piezoresistive sensor

The pressure deforms the silicon layer. This layer deformation generates a voltage at its terminations. This voltage is proportional to the pressure which is applied.



European directives 2014/30/EU EMC; 2014/35/EU Low Voltage;
2011/65/EU RoHS II; 2012/19/EU WEEE

⁽¹⁾ All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions, or carried out with calibration compensation.

Kit content

Instruments are supplied with an adjustment certificate, a soft case and 2 x 1 m of silicone tube.

Accessories

Reference	Description
-	Calibration certificate
MT 51	Soft case
CQ 15	Magnetic protective housing



Only the accessories supplied with the device must be used.

Warranty

Instruments have 1-year warranty for any manufacturing defect (return to our After-Sales Service required for appraisal).

Maintenance:

We carry out calibration, adjustment and maintenance of your instruments to guarantee a constant level of quality of your measurements.
As part of Quality Assurance Standards, we recommend you to carry out a yearly checking.

Precautions for use:

Please always use the device in accordance with its intended use and within parameters described in the technical features in order not to compromise the protection ensured by the device.