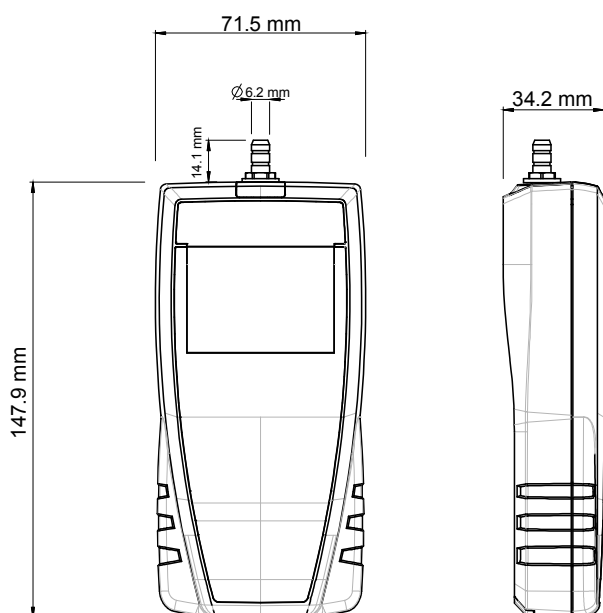


Atmospheric pressure MP 55

KEY POINTS

- Easy to use
- HOLD function
- Built-in probe

FEATURES OF THE 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)



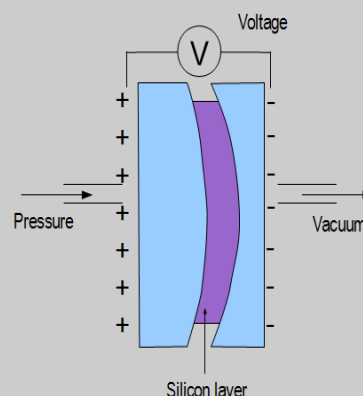
TECHNICAL FEATURES

| Parameter | MP55 |
|------------------------------|--|
| Measuring units | mbar, mmHg, hPa |
| Measuring range | From 700 to 1100 mbar |
| Accuracy* | ±2 mbar |
| Resolution | 0.1 mbar / 0.1 mmHg / 0.1 hPa |
| Response time | T63 < 10 s |
| Connector | Barbed connectors, Ø6.2 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 |
| Measuring element | Piezoresistive sensor |
| Power supply | 4 batteries AAA LR03 1.5 V |
| Battery life | 180 hours |
| European directives | 2014/30/EU EMC ; 2014/35/EU Low Voltage ; 2011/65/EU RoHS II ; 2012/19/EU WEEE |

OPERATING PRINCIPLES

Piezoresistive sensor

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



*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

SUPPLIED WITH

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



ACCESSORIES

- Calibration certificate
- Soft case
- Magnetic protective housing



Only the accessories supplied with the device must be used.



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.

GUARANTEE

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

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.

USE OF THE INSTRUMENT

Take a measurement

- Switch on the instrument by pressing on **"On/Off/Hold"**.
The instrument displays its name "MP55".
- Press briefly and successively on **"Select"** to change the unit.
Available units for MP55 are : mbar, mmHg et hPa.

Hold the measurement

During measurement :

- Press briefly on **"On/Off/Hold"** to hold measurement.
"Hold" appears on the screen and the measurement is fixed.
- Press again briefly on **"On/Off/Hold"** to exit the Hold function.

How to change batteries

- Remove the front part at the back of the instrument.
- Replace used batteries by new batteries AAA LR03 1.5 V.
- Replace the front.

Auto shut-off : the instrument switches off if not used during 20 minutes.



Once returned to KIMO, required waste collection will be assured in the respect of the environment in accordance with European guidelines relating to WEEE.

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