

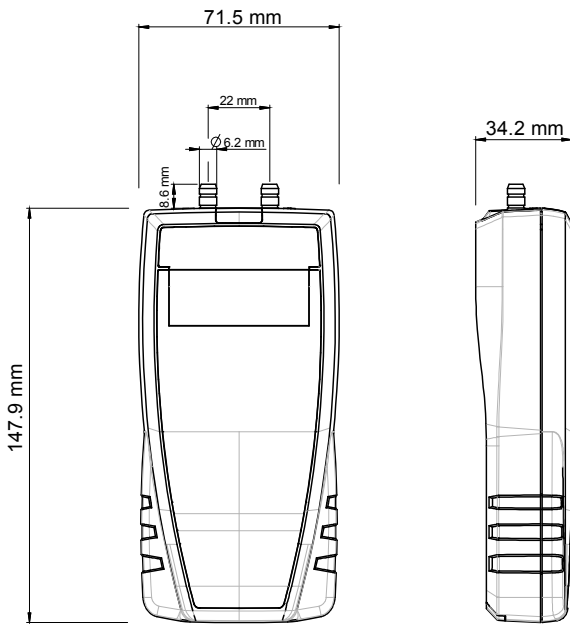


## Manometer MP 50 – MP 51

### KEY POINTS

- Easy to use
- HOLD function
- Auto shut-off: 20 minutes
- Manual autozero

### 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	MP50	MP51
Measuring units	Pa, mmH <sub>2</sub> O, inWg, daPa	mmH <sub>2</sub> O, kPa, inWg, mbar, mmHg, daPa
Measuring range	From -1000 to +1000 Pa	From -1000 to +1000 mmH <sub>2</sub> O
Accuracy*	±0.5% of reading ±2 Pa	±0.5% of reading ±2 mmH <sub>2</sub> O
Resolution	1 Pa	From -200 to +200 mmH <sub>2</sub> O: 0.1 mmH <sub>2</sub> O Beyond: 1 mmH <sub>2</sub> O
Response time	T63 = 0.3 s	
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	

\*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

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## SUPPLIED WITH

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



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## ACCESSORIES

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- Calibration certificate
- Soft case
- Magnetic protective housing



**Only the accessories supplied with the device must be used.**



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## MAINTENANCE

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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.

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## GUARANTEE

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

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## PRECAUTIONS FOR USE

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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.

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## USE OF THE INSTRUMENT

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### Take a measurement

- Switch on the instrument by pressing on **“On/Off/Hold”**.

*The instrument displays its name “MP50” or “MP51”, then an autozero is performed. At the end of the autozero, the measured value displays.*

- Press briefly and successively on **“Select”** to change the unit.

*Available units for MP50 are: Pa, mmH2 O, inWg, daPa.*

*Available units for MP51 are: mmH2 O, kPa, in Wg, mbar, mmHg, daPa.*

### Make a manual autozero

*During measurement :*

- Remove pressure tubes.
- Pressing longer on **“Select”**.

*Instrument make an autozero then returns to the measurement display.*

### 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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EXPORT DEPARTMENT

Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29

e-mail : [export@kimo.fr](mailto:export@kimo.fr)