

## Impermeability special Manometer for gas network MP 130

### KEY POINTS

- Easy to use
- Adjustable backlight
- Hold-min-max functions
- Selection of units

### TECHNICAL FEATURES

Measuring range	Sensor piezoresistive
Tolerated overpressure	700 mbar
Connector	Ø 4,6 mm threaded connectors made of nickelled brass
Display	4 lines, LCD technology. Sizes 50 x 36 mm 2 lines of 5 digits with 7 segments (value) 2 lines of 5 digits with 16 segments (unit)
Housing	ABS, protection IP54
Keypad	5 keys
European directives	2014/30/EU EMC ; 2014/35/EU Low Voltage ; 2011/65/EU RoHS II ; 2012/19/EU WEEE
Power supply	4 batteries AAA LR03 1.5 V
Battery life	180 hours
Ambience	Neutral gas
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
Auto shut-off	Adjustable from 0 à 120 min
Weight	220 g



### SPECIFICATIONS

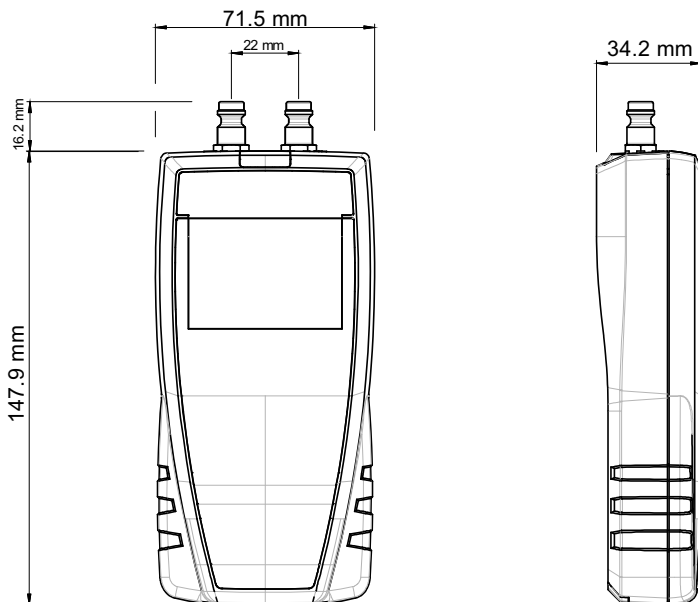
Measuring units	Measuring range	Accuracy <sup>1</sup>	Resolution
kPa, inWg, mbar, mmHg, daPa	From -500 to +500 mbar	From -20 to 20 mbar : $\pm 0.4\%$ of reading $\pm 0.3$ mbar From -500 to -20 mbar and from 20 to 500 mbar : $\pm 0.1\%$ of reading $\pm 0.6$ mbar	From -20 to 20 mbar : 0.01 mbar From -500 to -20 mbar and from 20 to 500 mbar : 0.1 mbar

<sup>1</sup>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

### FUNCTIONS

- Pressure measurement
- Selection of units
- Manual self-calibration
- Hold function
- Display of minimum and maximum values
- Configurable auto shut-off
- Backlight

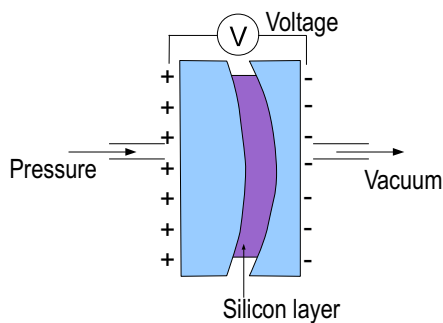
## DIMENSIONS



## OPERATING PRINCIPLES

### Piezoresistive sensor

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



## SEAL KIT INCLUDES

Connectors		Plugs	
Stainless steel male connector, 9 mm diameter	Stainless steel female connector, 9 mm diameter	Plug : outside diameter : 22-44 mm 9 mm male connector	Plug : outside diameter: 18-32 mm 9 mm male connector
Tap with 2 valves and 3 channels	Pressurization pump	Connections	
	Rubber pump	10-32	6-20
		Male bottle	M20x1.5
		1/2G	Fast connector

## SUPPLIED WITH

- Instruments are supplied with :
- Magnetic protective housing
  - Seal Kit (MP130)
  - ABS transport case (MP130)
  - Transport softcase ST-110 (MP130 W)



## 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).

[www.kimo.fr](http://www.kimo.fr)



**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)

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Antennestraat 26 +31 (0)36 535 06 51  
1322 AB Almere info@mw-instruments.nl  
Nederland www.mw-instruments.nl

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