

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

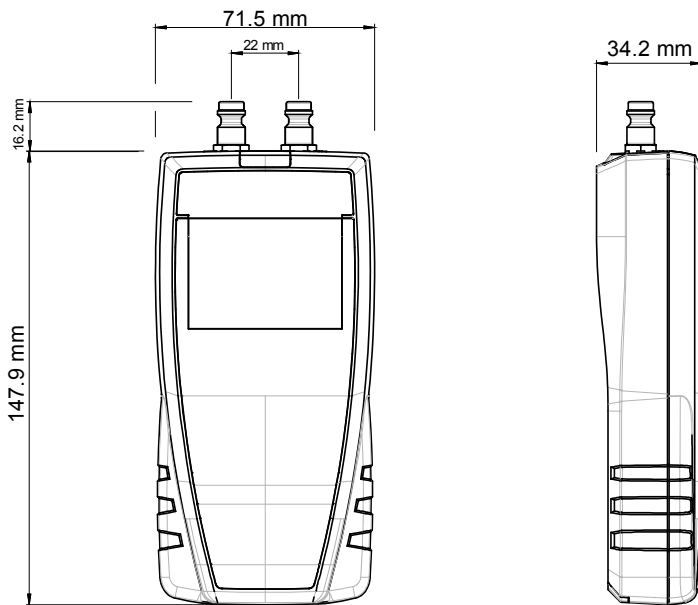
Measuring units	Measuring range	Accuracy ¹	Resolution
kPa, inWg, mbar, mmHg, daPa	From -500 to +500 mbar	From -20 to 20 mbar : $\pm 0.4\%$ of reading ± 0.3 mbar From -500 to -20 mbar and from 20 to 500 mbar : $\pm 0.1\%$ of reading ± 0.6 mbar	From -20 to 20 mbar : 0.01 mbar From -500 to -20 mbar and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

¹All 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

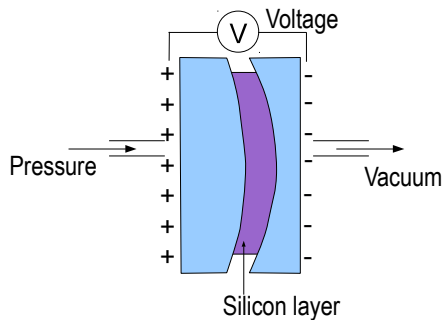
DIMENSIONS















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		Connections	
	 Rubber pump	 10-32	 6-20
		 Male bottle	 M20x1.5
		 1/2G	 Fast connector

SUPPLIED WITH

Instruments are supplied with :

- Magnetic protective housing
- Calibration certificate
- Seal Kit
- Transport case



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).

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