



MICRO-MANOMETERS

MP 100, 101, MP 102, 105, 110 and 112



Reliable and accurate

Simple to use

Display of 2 parameters simultaneously

Selection of languages



FUNCTIONS

MICRO-MANOMETER :

- ▶ Positive, negative and differential pressure
- ▶ Autozero
- ▶ Hold function
- ▶ Min. et max. values
- ▶ Selection of units

SPECIFICATIONS

	Measuring units	Measuring ranges	Accuracy*	Resolution
MP 100	Pa, mmH ₂ O, In Wg	0 to ±1000 Pa	±2% of reading ±1Pa	1 Pa
MP 101	KPa, mmH ₂ O, In Wg, mBar, mmHG	0 to ±1000 mmH ₂ O	±2% of reading ±1mmH ₂ O	0,1 mmH ₂ O from 0 to ±199,9mmH ₂ O 1 mmH ₂ O above
MP 102	KPa, In Wg, mBar, mmHG, PSI	0 to ±200 mBar	±0,5% of reading ±1mbar	1 mBar
MP 105	KPa, In Wg, mBar, mmHG, PSI	0 to ±500 mBar	±0,7% of reading ±1mbar	1 mBar
MP 110	KPa, In Wg, mBar, mmHG, PSI, Bar	0 to ±1000 mBar	±1% of reading ±1mbar	1 mBar
MP 112	KPa, In Wg, mBar, mmHG, PSI, Bar	0 to ±2000 mBar	±1% of reading ±1mbar	1 mBar

* Performed in laboratory conditions, all the above accuracies mentioned in this document will be guaranteed, provided that you use the calibration compensation data or identical calibration conditions.

TECHNICAL FEATURES

DISPLAY : 2 lines of 12 characters. Size 38 x 12 mm.

HOUSING : Shock-proof, made of ABS/PC.

KEYPAD : Made of Elastomer : 5 keys.

CONNECTIONS :

Pressure connectors :

MP 100 and 101 : Ø 5,2 mm, made of nickelled brass.
MP 102, 105, 110 and 112 : Ø 4,6 mm, made of nickelled brass.

MEASURING ELEMENTS :

Pressure : piezo-resistive sensor (linearity : 0,25%FS, response time : 500µs, stability (long term) : 0,25%FS)

Overpressure allowed : MP100 : 250 mbar. MP 101 : 700 mbar. MP 102 and 105 : 1,4 bar. MP 110 and 112 : 3 bar

CONFORMITY : electromagnetical compatibility (norm NF EN 61326-1)

POWER SUPPLY : 1 Alcaline battery 9 V 6LR6

WORKING ENVIRONMENT : Neutral gas

WORKING TEMPERATURE : From 0 to 50°C.

STORAGE TEMPERATURE : From 0 to 50°C.

AUTOMATIC SHUT-OFF : 30 min

DIMENSIONS : 145 x 75 x 34 mm

WEIGHT : 190 g

LANGUAGES AVAILABLE : French, English.

SUPPLIED WITH...

O Optional X Included

DESCRIPTION	MP 100	MP 101	MP 102	MP 105	MP 110	MP 112
Pressure sensor 0 to ±1000 Pa	X					
Pressure sensor 0 to ±1000 mmH ₂ O		X				
Pressure sensor 0 to ±200 mbar			X			
Pressure sensor 0 to ±500 mbar				X		
Pressure sensor 0 to ±1000 mbar					X	
Pressure sensor 0 to ±2000 mbar						X
Pitot tube Ø 6 mm, lg. 300 mm	O	O	O	O	O	O
2x1m clear tube Ø 4 x 6 mm			X	X	X	
2x1m silicone tube Ø 4 x 7 mm	X	X				
Stainless steel tip Ø 6 x 100 mm	X	X				
Transport case	X	X	X	X	X	X
Calibration certificate	X	X	X	X	X	X

ACCESSORIES

- Rubber boot protection with magnet and holding-leg
- Straight connections, in T and Y for tube Ø 5 x 8 mm
- Sealing caps for ducts Ø 11,5 to 13 mm.
Ref GPN8B (bags of 10 units). Further diameters available.
- Pitot tube available in many lengths Ø 3 / 6 or 8 mm, with or without temperature compensation.



AFTER-SALES SERVICE

Kimo performs the calibration, the adjusting and maintenance of all their instruments to guarantee a constant level of quality of your measurements. Within the Quality Insurance norms, we recommend that the instruments are checked once a year.

USING

Selection of the language : (with unit switched off) press and hold "OK". Then press "ON/OFF". Press "HOLD" to confirm English and press "SELECT" for French.

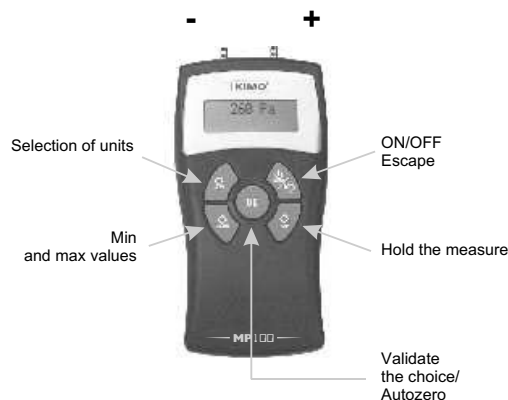
To switch on, press "ON/OFF". Click on "OK" to start the autozero.

To modify the unit of measure, press "SELECT". Scroll down the units by pressing "SELECT" and confirm your unit by pressing "OK". Press "ESC" to escape this menu.

To display the min. and max. values, press "MIN/MAX". To come back to the measure in progress, press "ESC".

To hold the measure in progress, press "HOLD" once. Press twice to come back to the measure.

To switch off, press and hold "ON/OFF" during few seconds.



Ref. FT ang - MP100 - 10/02 C

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