



MICRO-MANOMETER MP 120

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

AIR VELOCITY WITH PITOT :

- ▶ Air velocity
- ▶ Autozero
- ▶ Hold function
- ▶ Min. et max. values
- ▶ Selection of units



SPECIFICATIONS

	Measuring units	Measuring ranges	Accuracy*	Resolution
Pressure	Pa, In Wg, mmH ₂ O	0 to ±1000Pa	±2% of reading ±1Pa	1 Pa
Air velocity with Pitot	m/s, fpm	2 to 40 m/s	±3% of reading ±0,1m/s	0,1m/s

* 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 : Ø 5,2 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 : 250 mbar.

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 Optionnal

X Included

MP 120

Pressure sensor 0 to ±1000 Pa	X
2x1m silicone tube	X
Stainless steel tip Ø 6 x 100 mm	X
Transport case	X
Calibration certificate	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 GPNU8B (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". Press "OK" to start the autozero.

- **'Pressure' menu** : it appears automatically when switching on the instrument.

To modify the unit of measure, press "SELECT", on the second line, "velocity" appears: press "SELECT" once again to display "units". Then, press "OK" to confirm. You can scroll down the different units by pressing "SELECT" and press "OK" to confirm your selection.

- **'Velocity' menu** : when you are in the 'pressure' menu, press "SELECT". On the second line, "velocity" appears. Press "OK" to confirm. The measures in pressure are displayed on the first line and the measures in velocity are displayed on the second line. To modify the units, press twice "SELECT" and then, press "OK" to confirm. You can scroll down the units in velocity by pressing "SELECT", confirm by pressing "OK". Proceed the same way for the units in pressure.

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

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

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



Ref. FT ang - MP120 - 06/02 B

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