

New

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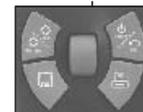
THERMO-ANEMO-MANOMETER MP 200

SUPPLIED
WITH
Calibration
Certificate

Pressure sensor
from 0 to 1000 mm H₂O



- Intuitive menu with control knob
- Ergonomic housing with Elastomer protection
- Display of 4 parameters
- Display of battery life level
- Automatic recognition of the probes
- Interchangeable measuring probes
- Display of calibration date
- 2-channel thermometer
- Data-logging capabilities
- PC and printer interface
- Selection of languages



FUNCTIONS



MICRO-MANOMETER :

- Autozero
- Positive, negative and differential pressure
- Integration of the pressure (0 to 10)
- Point/point average
- Automatic point/point average
- Automatic average
- Air velocity and airflow with Pitot : point/point average, automatic point/point average, temperature balancing : manual or automatic
- Air velocity and airflow with Debimo : automatic average, temperature balancing : manual or automatic
- Airflow with K Factor
- Temperature : thermocouple K (channel C2 in option)



THERMOCOUPLE K THERMOMETER :

- Thermocouple K temperature : 2 channels
- Dynamic delta T



DATALOGGER :

- Multi-parameters recording
- Manual and automatic storage
- Memory : 8000 pts and 40 measuring campaigns
- Simple to use, with printing of customized report
- Management of instrument fleet, and follow-up of the calibration periods.

SECONDARY-FUNCTIONS :

Hold, min. and max. values, standard deviation, printing, adjustable automatic shut-off, selection of languages.

SPECIFICATIONS

The MP 200 is a micromanometer, compatible with all thermocouple K temperature probes. For more details, see the technical data sheet of the probes for portable instruments.

	Measuring units	Measuring ranges	Accuracy*	Resolutions
Pressure	mmH ₂ O, mbar, KPa, Pa, in Wg, mmHG	0 to ±1000mmH ₂ O	±0,5% of reading ±1mmH ₂ O	0,1mmH ₂ O
Air velocity with Pitot	m/s, fpm	4 to 30m/s 31 to 100m/s	±3% of reading ±0,1m/s ±3% of reading ±0,3m/s	0,1m/s 0,1m/s
Air velocity with debimo	m/s, fpm	4 to 30m/s 31 to 100m/s	±3% of reading ±0,1m/s ±3% of reading ±0,3m/s	0,1m/s 0,1m/s
Airflow with Pitot	m ³ /h, cfm, l/s, m ³ /s	0 to 65000m ³ /h	±3% of reading ±10m ³ /h	1m ³ /h
Airflow with Debimo	m ³ /h, cfm, l/s, m ³ /s	0 to 65000m ³ /h	±3% of reading ±10m ³ /h	1m ³ /h
Thermocouple K 	°C, °F, K	-200 to -40°C -39 to +999°C +1000 to +1300°C	±1% of reading ±1,2°C ±0,5% of reading ±0,8°C ±1% of reading ±1,2°C	0,1°C 0,1°C 1°C

* 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 :

Graphic, with automatic backlighting. Size 48 x 24 mm.

HOUSING :

Shock-proof, made of ABS/PC, with Elastomer edges.

KEYPAD :

Made of Elastomer : 4 keys and one control knob.

CONNECTIONS :

Pressure connectors : Ø 5,2 mm, made of nickelled brass

Thermocouple K connectors : compensated miniature plugs

Numeric connection output : USB.

COMMUNICATION MODE :

RS 232.

MEASURING ELEMENTS :

Pressure : piezo-resistive sensor (linearity : 0,25%FS, response time :

500 µs, stability (long term) : 0,25%FS)

Overpressure allowed : 700 mbar

Thermocouple temperature : Thermocouple K class 1

CONFORMITY :

Electromagnetical compatibility (norm NF EN 61326-1)

POWER SUPPLY :

4 Alcaline batteries 1,5 V LIR6

WORKING ENVIRONMENT :

Neutral gas

WORKING TEMPERATURE :

From 0 to 50°C.

STORAGE TEMPERATURE :

From 0 to 50°C.

DIMENSIONS :

176 x 78 x 35 mm

WEIGHT :

400 g

LANGUAGES AVAILABLE :

French, English, Spanish, Portuguese, Italian, German, Dutch.

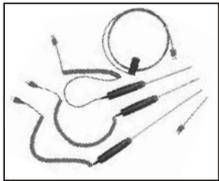
SUPPLIED WITH...

O Optional

X Included

MP 200

Pressure sensor 0 to ± 1000 mm H ₂ O	X
Pitot tube Ø 6 mm, length 300 mm	O
Thermocouple K temperature probes	O
Printer	O
Software for PC	O
Silicone tube 2 x 1 m + stainless steel tip Ø 6 mm, lg. 100 mm	X
Transport case	X
Calibration certificate	X



Large choice of thermocouple K probes : ambient, wire probe, general use, penetration, contact. For more details, see the technical data sheet of the probes for portable instruments.

ACCESSORIES

- Pitot tube available in many lengths Ø 3 / 6 or 8 mm, with or without temperature compensation.
- Debimo airflow blades of many sizes
- Telescopic extension, length 1m, bent at 90° for measuring probe
- Hands-free protection cover
- Printer
- Software for PC
- Silicone heat-conductive grease for temperature probes
- Adaptor for power supply 230 Vac



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.

www.kimo.fr

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