

*New*

# THERMO-ANEMO-MANOMETER MP 202

CE

SUPPLIED  
WITH  
Calibration  
Certificate

Pressure sensor  
from 0 to 1000 Pa



- 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 :**

- Autocalibration system and 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
- 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 202 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
<b>Pressure</b>	mmH <sub>2</sub> O, Pa, In Wg	0 to ±1000Pa	±0,5% of reading ±1Pa	0,1Pa
<b>Air velocity with Pitot</b>	m/s, fpm	2 to 40m/s	±3% of reading ±0,1m/s	0,1m/s
<b>Air velocity with Debimo</b>	m/s, fpm	2 to 40m/s	±3% of reading ±0,1m/s	0,1m/s
<b>Airflow with Pitot</b>	m <sup>3</sup> /h, cfm, l/s, m <sup>3</sup> /s	0 to 65000m <sup>3</sup> /h	±3% of reading ±10m <sup>3</sup> /h	1m <sup>3</sup> /h
<b>Airflow with Debimo</b>	m <sup>3</sup> /h, cfm, l/s, m <sup>3</sup> /s	0 to 65000m <sup>3</sup> /h	±3% of reading ±10m <sup>3</sup> /h	1m <sup>3</sup> /h
<b>Thermocouple K</b> 	°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** : 250 mbar

**Thermocouple temperature** : Thermocouple K class 1

## CONFORMITY :

Electromagnetical compatibility (norm NF EN 61326-1)

## POWER SUPPLY :

4 Alcaline batteries 1,5 V LRR6

## 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.

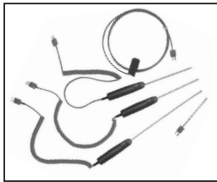
## SUPPLIED WITH...

O Optional

X Included

### MP 202

Pressure sensor 0 to ± 1000 Pa	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](http://www.kimo.fr)

**EXPORT DEPARTMENT**

BP 48. Bld de Beaubourg - Emerainville  
F-77312 MARNE LA VALLEE CEDEX 2 - FRANCE  
Tel : 33. 1. 60. 06. 69. 25  
Fax : 33. 1. 60. 06. 69. 29  
e-mail : kimo.export@kimo.fr



Distributed by :

