

DBM 700 FLOWMETER



KIMO has designed and manufactured the DBM 700 flowmeter to be indispensable to engineers responsible for balancing airflow in air conditioning systems.

With its interchangeable hoods the DBM 700 can be adapted to all sizes of grille or diffuser whether it is delivering or extracting air.

The KIMO DBM 700 is light and easy to handle ensuring reliable and accurate measurements.

The standard DBM 700 is supplied with a 700 x 700 mm hood, accessories, calibration certificate, in a protective carrying case.

PRINCIPLE OF OPERATION

The airflow is sampled by 30 sensing points evenly positioned over the flow area, thus delivering the mean air velocity to the hot-wire sensing element and thermal compensator at the centre of the instrument, where the flow is measured.

FUNCTIONS

The advantages of the DBM 700 are :

- Simultaneous measurement of airflow and temperature
- Measurement of air delivery or exhaust
- Automatic averaging and point by point averaging
- HOLD reading function
- Choice of measurement units (m³/h, cfm, l/s)
- RS 232 interface to download data, to PC, for further analysis
- Choice of the languages



- **Make your DBM 700 fit your requirements, 7 interchangeable hoods available :**
500x500 mm, 600x600 mm, 700x700 mm, 400x1200 mm, 700x1200 mm, 400x1500 mm, 1000x1000 mm
- **Measurement range from 85 to 4000 m³/h.**
- **Accuracy : ±3% of the reading ±10 m³/h (whichever is the greater).**
- **Quick and simple hood changes, no disturbance to the flow.**
- **Optional software to download the measured values to your PC for analysis.**
- **Reliable and robust yet light and easy to handle.**
- **HOLD function, data recorder capable of storing 2000 readings, choice of the languages.**
- **Adjustable display.**



DBM Kimo with hood 1500 x 400 mm



Fitted carrying case.

TECHNICAL CHARACTERISTICS

	RANGE	ACCURACY	RESOLUTION
AIR FLOW	85 to 4000 m ³ /h	3% of reading ±10 m ³ /h	1 m ³ /h
TEMPERATURE	0 to 50°C	2% of reading ±0,1°C	0,1°C

- **DISPLAY** : Alphanumeric. 4 lines of 16 characters
- **DIMENSIONS** : 700x700 hood height 860 mm
Height of the base : 160 mm
- **WEIGHT** : Base only : 1,8 kg
Base + hood : 2,5 kg
- **BASE DIAMETER** : 500 mm external - 400 mm internal.
- **HOODS DIMENSIONS** : 500 x 500 mm, 600 x 600 mm, 700 x 700 mm, 400 x 1200 mm, 700 X 1200 mm, 400 x 1500 mm, 1000 x 1000 mm.

DESCRIPTION

INSTRUMENT :



The DBM 700 allows you to store your reading and later download them to your PC to prepare reports.

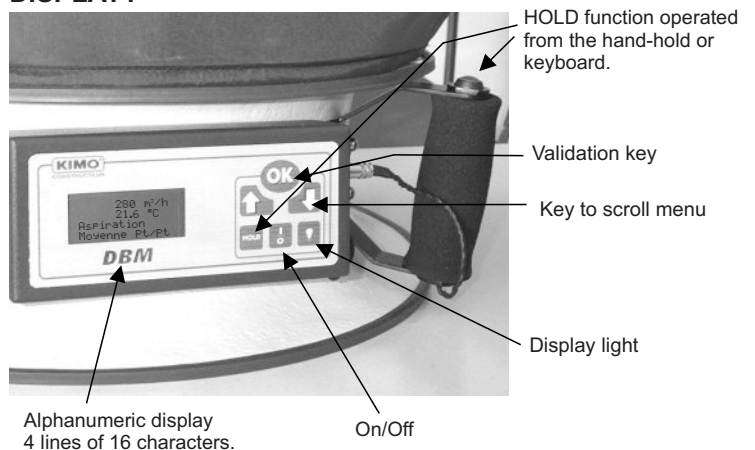


FLOW AREA :



The flow sensing head has 30 sampling points distributed over the flow cross sectional area with a central, temperature compensated, sensing element.

DISPLAY :



SERVICES

KIMO calibrates its instruments against traceable standards to guarantee a consistent quality of measurement. We recommend that instruments be returned for re-calibration and re-certification annually as part of your quality control procedures.

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Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29

e-mail : export@kimo.fr