



Airflow Capture Hood Model DBM610

The airflow capture hood DBM610 allows control and balancing of airflow in an air conditioning system. Thanks to the interchangeable hoods, the capture hood can be used on any type of grids or diffusers in air supply or exhaust. Easy to handle, lightweight, it allows for accurate, sturdy and fast measurements. It is supplied standard with a 2 x 2 feet (610 x 610 mm) hood. Four other sizes are available as options.



Features:

- Measuring range from 17 to 2060 CFM (30 to 4500 m³/h)
- Quick and simple hood changes
- Software for data processing on computer
- Sturdy, lightweight and easy to handle
- Removable measuring unit
- Interchangeable hoods
- Includes hood of 2 x 2 feet size, transport case, and calibration certificate

Applications:

- HVAC testing, adjusting and balancing
- Air volumetric flow measurements through registers, diffusers and grilles
- Direct readout at supply and return airflow
- Air velocity measurement in the duct
- Check filter fouling by measuring differential pressure

■ Autonomous Micro-manometer

- Removable measuring unit
- Simultaneous display of airflow and temperature
- Automatic airflow direction (extraction or air blast)
- Automatic averaging or point by point averaging
- HOLD function
- Data processing on computer with USB port
- Different languages available



Specifications

Airflow Measurement

Measuring Range	17 to 2060 CFM (40 to +3500 m ³ /h)
Accuracy	3% of measuring +/- 10 m ³ /h
Resolution	1 m ³ /h

Temperature Measurement

Measuring Range	32 to 140°F (0 to 60°C)
Accuracy	2% of the measurement +/- 0.1°C
Resolution	0.1°C

Thermocouple Temperature (on the micro-manometer)

Thermocouple type	K, J, T, S
Measuring range	K : -328 to 2372°F (-200 to 1300°C) J : -148 to 1382°F (-100 to 750°C) T : -328 to 752°F (-200 to 400°C) S : 32 to 3200°F (0 to 1760°C)
Accuracy	K : +/- 1.1°C or +/-0.4% of reading value J : +/- 0.8°C or +/-0.4% of reading value T : +/- 0.5°C or +/-0.4% of reading value S : +/- 1°C or +/-0.4% of reading value
Resolution	0.1°C

Pressure (on the micro-manometer)

Measuring Range	-10 to 10 inWg (-2500 to +2500 Pa)
Accuracy	+0.2% of measuring +/-2 Pa
Resolution	0.01 to 0.1 Pa

Operation

Measurement Units	Airflow : CFM, m ³ /h, L/s Pressure : inWg, mmH ₂ O, mmHg, Pa Temperature : °F, °C
Environment	Neutral gases
Operating temperature	32 to 140°F (0 to 60°C)
Storage temperature	-4 to 158°F (-20 to 70°C)
Power Supply	4 x AA alkaline batteries or Rechargeable battery Li-ion 3.7 V 4400 mAh (optional)
Weight	7.9 lbs (3.6 kg)



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