The Model AFH2 Air Flow Hood is designed to measure volumetric air flow from diffusers, grilles and registers. The AFH2 Air Flow Hood maintains a running average of measurements in the desired units and provides the ability to manually record measurements with the manometer over a given time period. The highly accurate digital manometer has an auto-zero feature and will auto-zero at user-defined intervals. The digital manometer easily mounts to the flow hood with its magnet back-plate. Break down is very quick and easy as tools are not required. In addition to these features, the unit will alert you when its battery is running low in order to avoid recording inaccurate measurements. This lightweight flow hood is durable and easily stores into an included travel case.

Model AFH2, Air Flow Hood with 2’x2’ hood

ACCESSORIES
A-175, Hood Adapter Kit.
Required for use with all alternative hoods
A-176, 1’x4’ canvas hood
A-177, 2’x4’ canvas hood
A-178, 1’x5’ canvas hood
A-179, 3’x3’ canvas hood
A-190, Software and cable

SPECIFICATIONS
Service: Air.
Volume Flow Rate Units: CFM, l/s, m3/hr.
Volume Flow Ranges:
  Supply: CFM: 41 to 1176; l/s: 19 to 555; m3/hr: 69 to 2000;
  Exhaust: CFM: 45 to 1176; l/s: 21 to 555; m3/hr: 76 to 2000.
Accuracy @ 20°C (68°F):
  Supply: ±3% of reading ±9 CFM (±4 l/s, 14 m3/hr) when flow >85 CFM (40 l/s);
  Exhaust: ±3% of reading ±9 CFM (±4 l/s, 14 m3/hr) when flow >85 CFM (40 l/s).
Span Stability v. Temperature: Better than 0.1% of range in use per 2°F (1°C).
Zero System Accuracy: ±1 count (±0.05 Pascal typical; ±0.0002˝ w.c.).
Temperature Limits:
  Operating: 32 to 122°F (0 to 50°C);
  Storage: 23 to 122°F (-5 to 50°C).
Thermal Effect: ±0.1% of range in use per 2°F (1°C).
Zero Drift: Negligible due to auto zero system. When auto zero set at 30 second intervals (2 minute warm up).
Orientation Effect: Any 45 degree change 0.0004˝ w.c. (0.1 Pascal) typical.
System Air Leak: 0.366 in3/hr (0.1 ml/min) @ 20° w.c. (5 kPa) typical.
Maximum Differential Pressure: 60” w.c. (15 kPa).
Auto Ranging Display: 0.375” high digits.
Resolution: 1 CFM, 1 l/s, 1 m3/hr.
Output: RS-232 serial interface (baud rate 9600).
Memory Capability: 2500 readings in any engineering unit.
Power: Rechargeable 8.4 V 120 mAh (optional 9V may be used in place of rechargeable).
Dimensions: 30” x 24” x 24” (965 x 610 x 610 mm). Hood only: 2’ x 2’ (600 mm x 600 mm).
Weight: 8.8 lb (4 kg).
Agency Approvals: CE.