



Model
APM
151

Electronic Balometer

Measures Volumetric Flow Rate and temperature, Stores up to 100 Readings

Air Velocity



Easily measure supply and exhaust air flow. The Model APM 151 Electronic Balometer directly measures air flow on its large LCD display and stores up to 100 readings in its non-volatile memory for later analysis. Download data to your computer via APM151C Interface Cable (sold separately). Eliminating time-consuming calculations, this instrument utilizes thermal anemometry technology to display flow in cfm, m³/h or l/s. Light-weight and easy to handle, the Electronic Balometer requires only one person to operate. Standard 2' x 2' hood fits over most standard grills and exhausts. Additional hood expansion kits are sold separately. Each unit includes: APM150 meter, 2' x 2' hood, base, handles, soft carrying case, three AA batteries and calibration data sheet.

STOCKED MODELS

Model APM 151.

SPECIFICATIONS

Volume Flow Rate:

50 to 2000 cfm (85 to 3400 m³/h).

Temperature Limits:

32 to 104°F (0 to 50°C).

Supply Volume Flow Accuracy:

±3% of reading ±7 cfm (±3% of reading ±12 m³/h).

Exhaust Volume Flow Accuracy:

±4% of reading ±7 cfm (±4% of reading ±12 m³/h).

Temperature Accuracy:

±0.5% of reading ±1°F (±0.5% of reading ±0.5°C).

Volume Flow Resolution:

0.1 cfm from 50 to 100 cfm
(0.1 m³/h from 85 to 100 m³/h), 1
cfm from 100 to 2000 cfm
(1 m³/h from 100 to 3400 m³/h).

Temperature Resolution: 0.1°F or °C.

Power Supply: Three 1.5V AA batteries (included).

Pressure Drop Across Instrument: 0.01" w.c. @ 500 cfm (2.5 Pa @ 850 m³/h). Battery Life: 10 hrs. minimum with continuous use.

Display: 4 digit LCD, 0.45" High
Memory Capability: Up to 100 sets of readings.

Output: RS232C serial interface.

Weight: 21 lb, 6 oz (9.7 kg).

Accessories

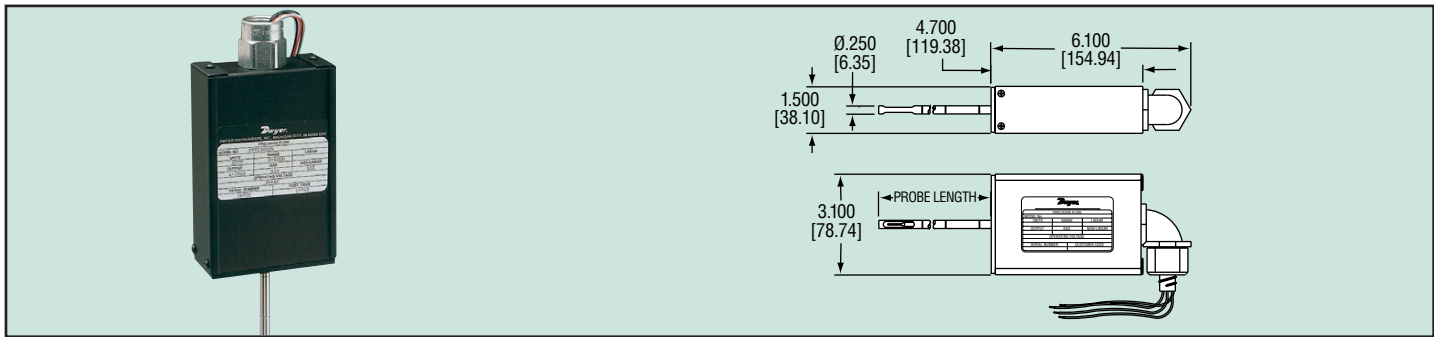
- Hood Kit A: Includes 2' x 4' and 1' x 4' hoods and hardware for adding hoods to balometer
- Hood Kit B: Includes 1' x 5' and 3' x 3' hoods and hardware for adding hoods to balometer
- APM151C: Computer Interface Cable



Series
PFH

Air Velocity Transmitter

0.2 Second Response, ±0.2% Repeatability



Series PFH Air Velocity Transmitters measure mass flow rate of air, nitrogen, or other non-combustable gases and delivers a 4 to 20 mA output signal directly proportional to gas mass velocity. Thermal sensor design provides accurate flow measurement without additional compensation needed for temperature and pressure variations. Easily install into pipes, ducts, or external flow streams for monitoring air flow in ventilation systems, aeration and drying air flow measurement, and test equipment flow sensing.

SPECIFICATIONS

Service: Air, nitrogen, or non-corrosive, non-combustable gases.

Accuracy in Point Velocity: ±2% FS over 32 to 122°F (0 to 50°C) and 5 to 30 psia (0.35 to 2 kg/cm²).

Repeatability: ±0.2% full scale.

Response Time: 0.2 seconds to 63% of final velocity value.

Pressure Limits: 100 psig (7 kg/cm² G) max.

Temperature Limits: 0 to 150°F (-18 to 66°C).

Supply Voltage: 24 VAC, 0.5 A.

Output: 4 to 20 mA nonlinear; proportional to gas mass velocity.

Load Resistance: 50 ohms minimum, 500 ohms maximum.

Operating Temperature Range: 32 to 122°F (0 to 50°C).

Wetted Materials: 304 SS probe, glass coated sensor, epoxy.

Probe Dimensions: 1/8" (6.35 mm) O.D., 13" (33 cm) length.

Housing: Dustproof NEMA 2 anodized aluminum.

Electrical Connection: 3/8" NPT conduit connection.

Mounting: 1/4" compression fitting (not included).

Weight: 0.7 lbs (0.30 kg).

POPULAR MODELS

MODEL NUMBER	RANGE
PFH130002	0 to 2000 SFPM
PFH130004	0 to 4000 SFPM
PFH130006	0 to 6000 SFPM