

ENERGY AND COMFORT

Ventilation Test Instruments



Model 8375

Features and Benefits

- Ergonomic design and ultra light weight for easy one person operation
- Detachable digital manometer for use in other applications with Pitot, air flow, temperature, velocity matrix, or relative humidity probes
- Back pressure compensated
- Multiple hood sizes available
- Bio-Safety hood kit available

ACCUBALANCE® Capture Hood

Model 8375

The TSI 8375 Capture Hood is a multipurpose electronic air balancing instrument for reading air volume flow at diffusers, and grilles. It is ideally suited for commissioning agents, facilities managers, health and safety specialists, test engineers, and test and balance professionals. This ultra light weight, ergonomically designed kit saves time and money while helping to create a healthy and energy efficient environment.

Optional Accessories

- Pitot tubes
- 16-point velocity matrix with telescoping handle
- Air flow probe
- Temperature probe
- Temperature/humidity probe
- Multiple hood sizes available
- Bio-safety cabinet hood kit



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Specifications

AccuBALANCE Model 8375

Volume

Range	42 to 4250 m ³ /h (25 to 2,500 ft ³ /min.) capture hood
Accuracy	±3% of reading ±12 m ³ /h (±7 ft ³ /min.) at flows >85 m ³ /h (>50 ft ³ /min.)
Units	m ³ /h, m ³ /min, l/s, ft ³ /min.
Resolution	1 m ³ /h (1 ft ³ /min.)

Velocity

Range (Pitot Probes)	0.125 to 40 m/s (25 to 8,000 ft/min.)
Range (Airflow Probe)	0.125 to 25 m/s (25 to 5,000 ft/min.)
Velocity Matrix Accuracy	0.125 to 12.5 m/s (25 to 2,500 ft/min.) ±3% of reading ±0.04 m/s (±7 ft/min.) at velocities >0.25 m/s (>50 ft/min.)
Units	m/s, ft/min.
Resolution	0.01 m/s (1 ft/min.)

Pressure

Differential Pressure	±3735 Pa (±15 in. H ₂ O); 37.5 kPa (150 in. H ₂ O) maximum safe operating pressure
Absolute Pressure Accuracy	356 to 1016 mm Hg (15 to 40 in. Hg) ±2% of reading ±0.25 Pa (±0.001 in. H ₂ O) static and differential; ±2% of reading absolute
Units	Pa, hPa, kPa, mm Hg, cm Hg, mm H ₂ O, cm H ₂ O, in. H ₂ O, in. Hg
Resolution	0.001 Pa (0.00001 in. H ₂ O) static and differential; 1 mm Hg (0.01 in. Hg) absolute

RH

Range	0 to 95% RH temperature/RH probe
Accuracy	±3% RH
Resolution	0.1% RH

Temperature

Sensor in Base	4.4 to 60°C (40 to 140°F)
Temperature Probe	-40 to 121°C (-40 to 250°F)
Temperature/RH Probe	-10 to 60°C (14 to 140°F)
Accuracy	±0.3°C (±0.5 °F) from 0 to 71°C (32 to 160°F);
Units	°C, °F,
Resolution	0.1°C (0.1°F)

Specifications are subject to change without notice.

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