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	25 to 2,500 ft³/min. (42 to 4250 m³/h) capture hood
Accuracy	±3% of reading ±7 ft³/min. (±12 m³/h) at flows >50 ft³/min. (>85 m³/h)
Units	ft³/min., m³/h, m³/min, l/s
Resolution	1 ft³/min. (1 m³/h)

Velocity

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

Pressure

Differential Pressure	±15 in. H_2O (±3735 Pa); 150 in. H_2O (37.5 kPa) maximum safe operating pressure
Absolute Pressure	15 to 40 in. Hg (356 to 1016 mm Hg)
Accuracy	±2% of reading ±0.001 in. H_2O (±0.25 Pa) static and differential; ±2% of reading absolute
Units	in. H_2O in. Hg, Pa, hPa, kPa, mm Hg, cm Hg, mm H_2O, cm H_2O
Resolution	0.00001 in. H_2O (0.001 Pa) static and differential; 0.01 in. Hg (1 mm Hg) absolute

RH

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

Temperature

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

Specifications are subject to change without notice.

TSI Incorporated - 500 Cardigan Road, Shoreview, MN 55126-3996 USA

USA	**Tel:** +1 800 874 2811	**E-mail:** info@tsi.com	**Website:** www.tsi.com
UK	**Tel:** +44 149 4 459200	**E-mail:** info@tsi.co.uk	**Website:** www.tsiinc.co.uk
France	**Tel:** +33 491 95 21 90	**E-mail:** tsifrance@tsi.com	**Website:** www.tsiinc.fr
Germany	**Tel:** +49 241 523030	**E-mail:** tsigmbh@tsi.com	**Website:** www.tsiinc.de
Sweden	**Tel:** +46 8 595 13230	**E-mail:** tsiab@tsi.com	**Website:** www.tsi.se
India	**Tel:** +91 80 41132470	**E-mail:** tsi-india@tsi.com	
China	**Tel:** +86 10 8260 1595	**E-mail:** tsibeijing@tsi.com	

Contact your local TSI Distributor or visit our website **www.tsi.com** for more detailed specifications.

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