

ENERGY AND COMFORT

Ventilation Test Instruments



Model 8373

Features and Benefits

- Variable time constant modes minimize display variations when measuring fluctuating flows
- K factor function enables flexibility for measuring a variety of diffusers
- Variety of hood sizes lets you take readings from most diffusers, registers or grilles
- Back-lit display is easy to read in poor lighting conditions
- Balancing mode allows you to easily adjust dampers to a preset value (Models 8372/73 only)
- Automatic conversion between actual and standard flows (Model 8373)
- Automatic direction indicator displays whether flow is a supply or exhaust (Model 8373 only)

AccuBALANCE® Air Capture Hoods

Models 8371, 8372 and 8373

TSI's AccuBALANCE® and AccuBALANCE Plus Air Capture Hoods measure air volume flowing through registers, diffusers and grilles. Weighing just seven and a half pounds, these air capture hoods are easy to carry, lift and use. Simply hold the AccuBALANCE up to a diffuser or grille and read direct supply or exhaust airflow on the large digital display.

Data Logging

- Available with Models 8372/8373
- Allows user to log 1,000 data points with a time and date stamp
- Flexible data configuration to match building HVAC system
- Automatically sums flows and calculates statistics for branches and systems
- Data can be reviewed on screen, printed or downloaded to a computer spreadsheet program
- TSI downloading software permits easy transfer of data to a computer



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Specifications

AccuBALANCE Models 8371, 8372 and AccuBALANCE Plus Model 8373 Air Capture Hoods

Flow Range

30 to 2,000 cfm (15 to 1,000 l/s, 50 to 3,500 m³/hr)

Accuracy

±5% reading and ±5 cfm (±2.4 l/s, ±8.5 m³/hr)

Operating Temperature

32 to 140°F (0 to 60°C)

Data Memory (8372 and 8373)

1,000 points (sum of systems + branches + terminals)

Temperature (Model 8373 only)

Range 32 to 140°F (0 to 60°C)

Resolution 0.1°F (0.1°C)

Accuracy ±1°F (±0.5°C)

Weight

7.5 lbs (3.4 kg)[†]

Power

4 C-size batteries (4 alkaline batteries provided)

Battery Life

40 hours continuous use

Carrying Case

26 in. × 26 in. × 7 in. (660 mm × 660 mm × 180 mm)

Hood Sizes Available

Standard 24 in. × 24 in. (610 mm × 610 mm)

Optional 24 in. × 48 in. (610 mm × 1,220 mm)

12 in. × 48 in. (305 mm × 1,220 mm)

12 in. × 60 in. (305 mm × 1,525 mm)

36 in. × 36 in. (915 mm × 915 mm)

Model 8930 Printer Specifications

Printing Method Thermal serial head system

Printing Speed Approximately 0.8 lines/sec

External Dimensions

5.3 in. × 5.1 in. × 2.5 in.

(135 mm × 130 mm × 64 mm)

Printer Interface 8 bit serial RS-232-C, 1200 baud

	8371	8372	8373
Data logging/downloading		•	•
Temperature reading			•
Density correction	•	•	•
K-factor	•	•	•
Review data		•	•
Statistics		•	•
Variable time constant	•	•	•
Field calibration adjustment	•	•	•
Printer output	•	•	•
Back-lit display	•	•	•
Certificate of Calibration	•	•	•

[†]Using 24 in. × 24 in. (610 mm × 610 mm) hood

Specifications are subject to change without notice.

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