

ACCUBALANCE® and AccUBALANCE Plus Air Capture Hoods

*TSI's Models 8371, 8372 and 8373
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.*



Features

- 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 (with Models 8371/8372, user initially inputs temperature and barometric pressure)
- Automatic direction indicator displays whether flow is a supply or exhaust (Model 8373 only)

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

Additional Features

- Compact carrying case for easy transportation
- Field calibration adjustment for convenience
- NIST* traceable calibration certificate
- Optional portable printer for hard copy documentation of your measurements
- Optional flow conditioner available for each hood size (recommended for non-uniform flow patterns such as twist, slot, residential or no diffuser)

Specifications

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

Flow Range	30 to 2,000 CFM (15 to 1,000 l/s, 50 to 3,500 m ³ /hr)
Accuracy	±5% reading and ±5 CFM (±2.4 l/s, ±8.5 m ³ /hr)
Operating Temperature	32 to 140°F (0 to 60°C)
Data Memory	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 × 26 × 7 in. (660 × 660 × 180 mm)

Hood Sizes Available

Standard	24 × 24 in. (610 × 610 mm)
Optional	24 × 48 in. (610 × 1,220 mm)
	12 × 48 in. (305 × 1,220 mm)
	12 × 60 in. (305 × 1,525 mm)
	36 × 36 in. (915 × 915 mm)

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

Specifications are subject to change without notice.

Model 8928 Printer Specifications

Printing Method	Thermal serial head system
Printing Speed	Approximately 0.8 lines/sec
External Dimensions	5.3 × 5.1 × 2.5 in. (135 × 130 × 64 mm)
Printer Interface	8 bit serial RS232C, 1200 baud

Features

Model	Sample & Hold Functions	Data Logging	Temperature	Balancing Mode	Flow Direction Indicator	Automatic Density Correction	Variable Time Constant	K-factor	Field Calibration Adjustment	Back-lit Display	Data Downloading Software	Printer Output	NIST* Calibration Certificate
8371	●						●	●	●	●	●	●	●
8372	●	●		●		●	●	●	●	●	●	●	●
8373	●	●	●	●	●	●	●	●	●	●	●	●	●

* U.S. National Institute of Standards and Technology.



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