

Product Data Sheet

Manufacturer : TSI

Model : 8372 & 8373

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Models 8372 and 8373

TSI's ACCUBALANCE Plus Air Capture Hoods measure and data log the air volume flowing through registers, diffusers, and grilles. Weighing just three and a half kilograms, the ACCUBALANCE Plus is easy to carry, lift, and use. Simply hold the ACCUBALANCE Plus up to a diffuser or grill and read direct airflow of a supply or exhaust on the large digital display. The Model 8373 also accurately measures temperature.

Data Logging Capabilities

- Data logging ability allows user to log 1000 data points with a time and date stamp
- Flexible configuration of data 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

Features and Benefits

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

Additional Features

- Optional portable printer to provide hard copy documentation of your measurements
- Compact carrying case for easy transportation
- Field calibration adjustment for convenience
- NIST*-traceable calibration certificate

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Many names used in this data sheet are the trade mark names of their manufactures; **BSRIA Instrument Solutions** acknowledges all registered trade marks.



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Models 8372 and 8373 ACCUBALANCE Plus Specifications

Flow Range	15-1,000l/s (50-3,500 m ³ /hr 0.84-55m ³ /min,30-2,000 CFM)
Accuracy	±5% reading and ±2.4 l/s (±8.5m ³ /hr,±0.15m ³ /min,±5 CFM)
Operating Temperature	0-60°C (32-140°F)
Data Memory	1000 points = sum of systems + branches + terminals
Temperature (Model 8373 only)	
Range	0-60°C (32-140°F)
Resolution	0.1°C (0.1°F)
Accuracy	0.5°C (±1°F)
Weight (standard hood)	3.4 kg (7.5 lb)
Power	4 C-size batteries (4 alkaline batteries provided)
Battery Life	40 hours continuous use
Carrying Case	660 mm x 660 mm x 180 mm (26in. x 26in. x 7in.)
Hood Sizes Available	
Standard	610mm x 610mm (24in.x 24in.)
Optional	610mm x 1220mm(24in.x 48in.) 305mm x 1220mm(12in.x 48in.) 305mm x 1525mm(12in.x 60in.) 915mm x 915mm (36in.x 36in.)

Model 8925 Printer Specifications

Printing Method	Thermal serial dot matrix
Printing Speed	Approximately 0.8lines/sec
External Dimensions (excl. projections)	135mm x 100mm x 35mm (5.3in.x 4in. x1.4in.)
Weight	Approximately 0.4 kg (14oz)
Temperature Range	0°C to 40°C (32°Fto 104°F)
Humidity Range	30% RH to 80%RH
Printer Interface	
Type	Serial
Baud Rate	1200

*U.S. National Institute of Standards and Technology Specifications in parenthesis indicate U.S. equivalents. Specifications are subject to change without notice.

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