

# ACCUBALANCE® PLUS

*Air Capture Hoods*

## **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

## Models 8372 and 8373 AccuBALANCE Specifications

Flow Range:	15-1,000 l/s (50-3,500 m <sup>3</sup> /hr, 0.84-55 m <sup>3</sup> /min, 30-2,000 CFM)
Accuracy:	±5% reading and ±2.4 l/s, (±8.5m <sup>3</sup> /hr, ±0.15 m <sup>3</sup> /min, ±5 CFM)
Operating Temperature:	0-60°C (32-140° F)
Data Memory:	1000 points = sum of systems + branches + terminals
<b>Temperature (Model 8373 only):</b>	
Range:	0 to 60° C (32 to 140° F)
Resolution:	0.1° C (0.1° F)
Accuracy:	0.5° C (±1° F)
Weight:	(using 610 × 610 mm Hood) 3.4 kg (7½ lbs.)
Power:	4 C-size batteries (4 alkaline batteries provided)
Battery Life:	40 hours continuous use
Carrying Case:	660 mm × 660 mm × 180 mm (26" × 26" × 7")
<b>Hood Sizes Available:</b>	
Standard:	610 × 610 mm (24" × 24")
Optional:	610 × 1220 mm (24" × 48") 305 × 1220 mm (12" × 48") 305 × 1525 mm (12" × 60") 915 × 915 mm (36" × 36")

### Model 8925 Printer Specifications

Printing Method:	Thermal serial dot matrix
Printing Speed:	About 0.8 lines/sec.
External Dimensions: (excluding projections):	135 mm × 100 mm × 35 mm (5.3" × 4" × 1.4")
Weight:	Approx. 0.4 kg (14 oz.)
Temperature Range:	0°C to 40°C (32 to 104°F)
Humidity Range:	30% RH to 80% RH
Printer Interface:	
Type:	Serial
Baud Rate:	1200

Specifications in parenthesis indicate US equivalents.  
Specifications are subject to change without notice.



Features	8372	8373
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	●	●

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



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