

## Product Data Sheet

Manufacturer : TSI

Model : 8371 Accubalance

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## ACCUBALANCE<sup>®</sup> Air Capture Hood

### Model 8371

*TSI's ACCUBALANCE Air Capture Hood measureS the air volume flowing through registers, diffusers, and grilles. Weighing just three and a half kilograms, the ACCUBALANCE is easy to carry, lift, and use. Simply hold the ACCUBALANCE up to a diffuser or grill and read direct airflow of a supply or exhaust on the large digital display.*

### Features and Benefits

- Sample and hold function displays reading of one sample
- Automatic conversion between actual and standard flows when user initially inputs temperature and barometric pressure
- 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
- 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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### Model 8371 ACCUBALANCE Specifications

<b>Flow Range</b>	15-1,000l/s (50-3,500 m <sup>3</sup> /hr 0.84-55 m <sup>3</sup> /min, 302,000CFM)
<b>Accuracy</b>	±5% reading and ±2.4 l/s (±8.5 m <sup>3</sup> /hr, ±0.15 m <sup>3</sup> /min, ±5CFM)
<b>Operating Temperature</b>	0-60°C (32-140°F)
<b>Weight (standard hood)</b>	3.4 kg (7.5 lb)
<b>Power</b>	4 C-size batteries (4 alkaline batteries provided)
<b>Battery Life</b>	40 hours continuous use
<b>Carrying Case</b>	660 mm x 660 mm x 180 mm (26in.x 26in.x 7in.)

#### Hood Sizes Available

Standard	610 mm x 610 mm (24 in.x 24in.)
Optional	610 mm x 1220mm (24 in.x 48in.)
	305 mm x 1220mm (12 in.x 48in.)
	305 mm x 1525mm (12 in.x 60 in.)
	915 mm x 915 mm (36 in.x 36 in.)

### Model 8925 Printer Specifications

<b>Printing Method</b>	Thermal serial dot matrix
<b>Printing Speed</b>	Approximately 0.8 lines/sec
<b>External Dimensions (excl. projections)</b>	135 mm x 100 mm x 35 mm (5.3 in. x 4 in. x 1.4 in.)
<b>Weight</b>	Approximately 0.4 kg (14oz)
<b>Temperature Range</b>	0°C to 40°C (32°F to 104°F)
<b>Humidity Range</b>	30% RH to 80%RH
<b>Printer Interface</b>	
Type	Serial
Baud Rate	1200

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

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