

TECHNICAL DATA

Features

- Dual LCD simultaneously displays pressure, air velocity or airflow with temperature
- Max, Min, Avg, Relative and Data hold functions
- Integrated real-time clock time-stamps measurements
- Large, easy-to-read backlit LCD display
- Zero button for offset correction or measurement
- User selectable unit of measure
- Push button calculation of rectangular or circular duct areas
- USB interface and software included
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes black and white silica tubes, pitot tube, USB cable, software, battery, and hard carrying case

Specifications

Air Velocity, Air Volume and Temperature

Measuring Ranges: 1 to 80 m/s; 200 to 15,733 fpm;
3.6 to 288 km/h; 2.24 to
178.66 mph; 2.0 to 154.6 knots

Air Volume: 0 to 99,999 (CFM/CMM)

Temperature: 32 to 122°F (0 to 50°C)

Accuracy: ±2.5% rdg.

Air Volume: ±1% FS

Temperature: ±1.5°C (3°F)

Resolution: 0.01 m/s; 1 fpm; 0.1 km/h;
0.01 mph; 0.1 knots;
0.001 CFM/CMM; 0.1°F/°C

Pressure

Measuring Ranges: ±5000 Pa; 0.752 psi;
50.00mbar; 20.07 inH₂O;
509.8 mmH₂O

Accuracy: ±0.3% FS

Resolution: 1 Pa; 0.1 mmH₂O;
0.01 mbar / inH₂O; 0.0001 psi

Repeatability: ±0.2% FS

Linearity/Hysteresis: ±0.29% FS

Max Pressure: 10 psi



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General Specifications

Display:	5-digit, Dual LCD Display
Backlit Display:	Yes
Data Hold:	Yes
Min:	Yes
Max:	Yes
Average:	Yes
Differential Pressure:	Yes
Zero Function:	Yes
Over range Indicator:	Yes
Under range Indicator:	Yes
Air Volume Calculation (CFM/CMM):	Yes
Datalogging Capabilities:	Yes
Real-Time Clock and Date Stamp:	Yes
Response Time:	2 times/sec.
Internal Memory:	Yes
Auto Shut-off:	Yes (after 20 mins)
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	9V battery
PC Connectivity:	USB Cable (Included)
Software:	Yes (included)
Software OS Compatibility:	Windows XP, 7, 8, 10, 11
Product Certifications:	CE
Operating Temperature:	32 to 122°F (0 to 50°C)
Storage Temperature:	14 to 140°F (-10 to 60°C)
Operating Humidity:	10-80%
Dimensions:	8.2 x 2.9 x 1.9" (210 x 75 x 50mm)
Weight:	12 oz (340g)

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Model	Description
R3001	Anemometer/Manometer
R1500	Lightweight Tripod
R3001-NIST	Anemometer/Manometer & NIST