

# AIR VELOCITY METERS & MANOMETERS

## MANOMETERS

- Measures gauge and differential pressure from 0 to 5 psi
- 11 selectable units of measure: psi, inH<sub>2</sub>O, bar, mbar, kPa, inHg, mmHg, ozin<sup>2</sup>, ftH<sub>2</sub>O, cmH<sub>2</sub>O, kgcm<sup>2</sup>
- Dual LCDs with backlighting
- Max/Min/Avg record with time stamp
- Data Hold freezes the displayed reading
- Low battery indication with auto power off
- Push button zero adjust and offset readings
- USB output
- Includes USB cable, tubing, hard carrying case and battery
- Accredited calibration available

### SPECIFICATIONS:

<b>Pressure Range:</b>	5.000 psi; 138.3 inH <sub>2</sub> O; 344.7 mbar; 34.47 kPa; 1.018 inHg; 258.5 mmHg; 80.00 ozin <sup>2</sup> ; 11.53 ftH <sub>2</sub> O; 351.5 cmH <sub>2</sub> O; 0.351 kgcm <sup>2</sup> ; 0.344 bar
<b>Resolution:</b>	0.001 psi; 0.1 inH <sub>2</sub> O; 0.1 mbar; 0.01 kPa; 0.001 inHg; 0.1 mmHg; 0.01 ozin <sup>2</sup> ; 0.01 ftH <sub>2</sub> O; 0.1 cmH <sub>2</sub> O; 0.001 kgcm <sup>2</sup> ; 0.001 bar
<b>Accuracy:</b>	±0.3% f.s.
<b>Repeatability:</b>	±0.2% f.s.
<b>Hysteresis:</b>	±0.29% f.s.
<b>Maximum Pressure:</b>	20 psi
<b>Response Time:</b>	0.5 second
<b>Power Supply:</b>	Single 9V alkaline battery



## ANEMOMETERS/MANOMETERS

- Measure and display air velocity, air flow volume, pressure and ambient temperature with a single, compact unit
- Air velocity displayed in m/s, fpm, km/h, mph or knots
- Air flow displayed in cfm or cmm
- Pressure displayed in psi, mbar, inH<sub>2</sub>O, mmH<sub>2</sub>O or Pa
- Temperature displayed in °C or °F
- Max., Min. and Avg. readings
- Real time clock provides for time-stamped measurements
- Push button calculation of rectangular or circular duct areas
- Large LCD display with backlight
- Auto power off and low battery indication
- USB interface
- Includes black and white silica tubes, Pitot tube, power adapter, USB cable, 9V battery, CD software and carrying case



### SPECIFICATIONS:

<b>Pressure Range:</b>	±5000 Pa; 0.752 psi; 50.00mbar; 20.07 inH <sub>2</sub> O; 509.8 mmH <sub>2</sub> O 1 Pa; 0.0001 psi; 0.01 mbar; 0.01 inH <sub>2</sub> O; 0.1 mmH <sub>2</sub> O
<b>Resolution:</b>	±0.3% FSO ±0.2% FSO ±0.29% FSO
<b>Accuracy:</b>	±0.3% FSO
<b>Repeatability:</b>	±0.2% FSO
<b>Linearity/Hysteresis:</b>	±0.29% FSO
<b>Air Velocity Range:</b>	1.00 to 80.00 m/s; 200 to 15,733 fpm; 3.6 to 288.0 km/h; 2.24 to 178.66 mph; 2.0 to 154.6 knots
<b>Resolution:</b>	0.01 m/s; 1 fpm; 0.1 km/h; 0.01 mph; 0.1 knots
<b>Accuracy:</b>	±2.5% rdg.
<b>Air Flow Range:</b>	0 to 99,999 ft <sup>3</sup> /min; 0 to 99,999 m <sup>3</sup> /min
<b>Resolution:</b>	0.001 ft <sup>3</sup> /min; 0.001 m <sup>3</sup> /min
<b>Accuracy:</b>	Function of air velocity and duct size
<b>Temperature Range:</b>	0 to 50.0°C; 32.0 to 122.0°F
<b>Resolution:</b>	0.1°C; 0.1°F
<b>Accuracy:</b>	±1.0°C; ±2°F
<b>Power Supply:</b>	Single 9V battery

## REED

Model No.	Mfg. No.	Description	Price/Each
IA980	R3002	Digital Manometer	

## REED

Model No.	Mfg. No.	Description	Price/Each
IA979	R3001	Anemometer/Manometer	

## THERMO-ANEMOMETERS

- Measures air velocity as well as temperature with a type J/type K thermocouple thermometer
- Hot wire probe
- Real time data logger with integral memory card (optional)
- Air velocity is measured in m/s, ft/min, km/h, mph or knots
- Temperature is measured in °C or °F
- Air Velocity Range: 0.2 to 25.0 m/s
- Type J Temp. Range: -50 to 1200°C
- Type K Temp. Range: -50 to 1300°C



## MANOMETERS

- Digital display of gauge or differential
- Select from one of 11 different pressure units
- Data hold
- Max/Min Record
- Display backlight
- Auto power off
- Low battery indicator
- Simple fittings for hose connection
- Includes hard carrying case, 9 V battery, connection hose and manual
- Pressure Range: IA138 and NJW152: 0 to 30 PSI;  
IA139 and IC564: 0 to 100 PSI



## REED

Model No.	Mfg. No.	Description	Price/Each
IC513	R4500SD	Thermometer/Hygrometer	
IC514	R4500SD-PROBE	Replacement Probe	
IC494	RSD-ADP-NA	Power Adapter	
IC495	RSD-16GB	16GB Memory Card	

## REED

Model No.	Mfg. No.	Description	Price/Each
IA138	R3030	Digital Manometer	NJW152
R3030-NIST		Digital Manometer with ISO Certificate	
IA139	R3100	Digital Manometer	IC564
R3100-NIST		Digital Manometer with ISO Certificate	