

Shortridge Instruments, Inc.

AirData Multimeter Accuracy Specifications - English & Metric

Mode	Range for Specified Accuracy English Units	Specified Accuracy English Units	Total Range English Units	Resolution English Units	Range for Specified Accuracy Metric Units	Specified Accuracy Metric Units	Total Range Metric Units	Resolution Metric Units
Temperature	+32.0 °F to +158.0 °F	± 0.5 °F *	-67.0 °F to +250.0 °F	0.1 °F	0 °C to +70 °C	± 0.3 °C *	-55 °C to +121.1 °C	0.1 °C
Air Flow	100 to 2000 cfm	± 3% of reading ± 7 cfm	25 to 2500 cfm	1 cfm	47 to 944 L/s	± 3% of reading ± 3.3 L/s	12 to 1180 L/s	1.0 L/s
Pitot Tube	50 to 8000 fpm	± 3% of reading ± 7 fpm	25 to 29,000 fpm	1 fpm	0.25 to 40.6 m/s	± 3% of reading ± 0.04 m/s	0.127 to 147.3 m/s	0.01 m/s
AirFoil Probe	50 to 5000 fpm	± 3% of readings ± 7 fpm	25 to 5000 fpm	1 fpm	0.25 to 25.4 m/s	± 3% of reading ± 0.04 ms	0.127 to 25.4 m/s	0.01 m/s
VelGrid	50 to 2500 fpm	± 3% of reading ± 7 fpm	25 to 2500 fpm	1 fpm	0.25 to 12.7 m/s	± 3% of reading ± 0.04 m/s	0.127 to 12.7 m/s	0.01 m/s
Absolute Pressure	14 to 40 in Hg	± 2% of reading ± 0.1 in Hg	10 to 40 in Hg	0.1 in Hg	0.47 to 1.355 bars	± 2% of reading ± 0.003 bars	0.3386 to 1.355 bars	0.001 bar
Differential Pressure	0.050 to 50.00 in wc	± 2% of reading ± 0.001 in wc	0.0001 to 60.00 in wc	0.0001 - 0.9999 = 0.0001 in wc 1.000 - 9.999 = 0.001 in wc 10.00 - 60.00 = 0.01 in wc	12.44 to 12,442 Pa	± 2% ± 0.24 Pa	0.02 to 14930 Pa.	0.02 - 99.99 = 0.01 Pa 100 - 999.9 = 0.1 Pa 1000 - 14,930 Pa = 1.0

* Accuracy of meter and TemProbe combined.