

Appendix A

Specifications

Specifications are subject to change without notice.

Velocity:

Range: 0 to 6000 ft/min (0 to 30 m/s)

Accuracy^{1&2}: $\pm 3\%$ of reading or ± 3 ft/min (± 0.015 m/s), whichever is greater

Resolution: 1 ft/min (0.01 m/s)

Duct Size:

Range: 1 to 250 inches in increments of 0.1 in. (1 to 635 cm in increments of 0.1 cm)

Volumetric Flowrate:

Range: Actual range is a function of actual velocity, pressure, duct size, and K factor

Temperature:

Range: 0 to 200°F (-18 to 93°C)

Accuracy³: $\pm 0.5^\circ\text{F}$ ($\pm 0.3^\circ\text{C}$)

Resolution: 0.1°F (0.1°C)

Instrument Temperature Range:

Operating (Electronics): 40 to 113°F (5 to 45°C)

Operating (Probe): 0 to 200°F (-18 to 93°C)

Storage: -4 to 140°F (-20 to 60°C)

Instrument Operating Conditions:

Altitude up to 4000 meters

Relative humidity up to 80% RH, non-condensing

Pollution degree 1 in accordance with IEC 664

Transient over voltage category II

Data Storage Capabilities:

Range: 12,700+ samples and 100 test IDs (one sample can contain fourteen measurement types)

Time Constant:

User-selectable

Response Time:

Velocity: 200 msec

Temperature: 2 minutes (to 66% of final value)

External Meter Dimensions:

3.3 in. \times 7.0 in. \times 1.8 in. (8.4 cm \times 17.8 cm \times 4.4 cm)