pacific data systems

Solutions. Technology. Simple.

Kestrel 1000-IS Intrinsically Safe Air Velocity Meter

- Intrinsically Safe
- Current Wind Speed
- Max Wind Gust
- Average Wind Speed

Performance

Speed Range:	0.3m/s to 40m/s
Calibration Drift:	<2% after 100hrs operation at 7m/s

Display

Operating Modes:	Current speed (3 second average) Average speed since power-on (AV) Maximum 3 second gust since power on (MAX)
Display Update:	1 second
Speed Display:	0.0 - 19.9, 20 - 199 (Kt, m/s, kmh, mph) 00 - 199 (x10 FPM), 0 - 12 (Beaufort Force)
Units:	Kt, m/s, kmh, mph, FPM, Beaufort Force
Type:	Reflective LCD
Digit Height:	10mm

Physical

Dimensions:	120mm x 41mm x 16mm
Weight:	46g

Environmental

Sealing:	Electronics enclosure IP67 [Water resistant to 1m of water], Floats.
Shock:	Drop tested to 4m
Temperature:	Operating range -20°c to +60°c Storage range -30°c to +60°c
EMC:	CE Marked

Miscellaneous

Battery:	Lithium coin cell CR2032, (user replaceable)
Battery Life:	400 hours operation, typical
Auto Switch-off:	15 or 60 minutes after last key-press

Impeller

Diameter: 25mm

High precision jewel bearings. (user replaceable impeller assembly)

The KESTREL Model 1000-IS hand-held air velocity meter holds Certificate of Conformity for Explosion- protected Electrical Equipment (to Ex ia 150 degC IP55) issued by SIMTARS.

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