

Kestrel® 1000

Pocket Wind Meter

Measures

- Current Wind Speed
- Maximum Wind Gust
- Average Wind Speed

Know Your Conditions

- Measure environmental conditions quickly and accurately
- Wide range of wind speeds and low startup speed
- Reliable, portable and easy to use

Quality by Design

- All instruments and accessories are completely assembled in the USA
- Patented user-replaceable impeller
- Low friction sapphire jewel bearing

Features

- Protective cover with sure-grip overmolding
- Data hold function
- Large easy-to-read display
- Waterproof and floats
- Lanyard and battery included
- Two-year warranty



Specifications

Measurement	Units of Measure	Accuracy	Range
Current, Max and Avg Wind Speed	m/s, km/hr, mph, fpm, kts, Beaufort Force	±3% of reading or ±0.1 m/s	0.3 to 40 m/s (0.7 to 89 mph)
Display Update	1 second		
Display Size	Reflective 3 1/2 digit LCD, 9 mm (0.36 in.) digit height		
Off-Axis Wind Speed Accuracy	-1% @ 5° off-axis; -2% @ 10°; -3% @ 15°		
Calibration Drift	< 2% after 100 hours use at 7 M/S (~14 KT, 25 KM/H, 16 MPH or 1,400 FPM)		
Environmental Sealing	Electronics enclosure IP67 - water resistant to 1 m. (3 ft.)		
Shock Resistance	Drop tested to 2 m. (6 ft.)		
Auto Shutdown	45 minutes after last key press		
Battery	User-replaceable CR2032 coin cell; typical life, 400 hrs		
Impeller	25 mm (1 in.) diameter, sapphire bearings, light weight; user-replaceable without tools		
Dimensions	unit: 122 x 42 x 20 mm (4.8 x 1.7 x 0.8 in.) cover: 122 x 46 x 26 mm (4.6 x 1.8 x 1.1 in.)		
Weight	unit: 2.3oz (65gr) cover: 1.3oz (37gr)		
Operating Temperature	LCD readability is lost above 50°C (122°F) and below -15°C (5°F).		
Storage Temperature	Recommended -20°C to 80°C (-4°F to 176°F)		