



 **Kestrel**  
**1000**  
*Pocket Weather Meter*

- Current Wind Speed**
- Max Wind Gust**
- Average Wind Speed**



Actual Size



# Kestrel<sup>®</sup> 1000

Pocket Wind™ Meter

Know the wind conditions, anytime, anywhere with the Kestrel<sup>®</sup> 1000 Pocket Wind™ Meter. Tough, accurate and affordable, it requires no setup - just hold it up to measure wind speed. It can track maximum and average wind speeds along with current readings, and allows you to choose measurement units to suit your application.

- Wind speed readings in knots, meters per second, kilometers per hour, miles per hour, feet per minute, Beaufort force
- Accuracy ±3%
- Very low startup speed (0.3 M/S)
- Impeller can be replaced without tools
- Includes slip-on hard cover, adjustable lanyard, and battery
- Waterproof
- Floats
- 1 - year warranty
- Assembled in the USA

Patented replaceable impeller ensures lifetime accuracy. Slip-on case protects the unit.



Hand-held, accurate and easy-to-use.



Supplied by:

## Pacific Data Systems Pty Ltd

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## SPECIFICATIONS

### Wind Speed Functions

**Modes:** Moving 3-second average (↔), maximum 3-second gust since power on (MAX) and average since power on (AVG).

**Units:** Knots (KT), meters per second (M/S), kilometers per hour (KM/H), miles per hour (MPH), feet per minute (FPM) and Beaufort force (".F").

**On-Axis Accuracy:** greater of ± 3% of reading or ± least significant digit.

**Off-Axis Response:** -1% @ 5°, -2% @ 10°, -3% @ 15°.

**Accuracy Degradation:** (loss of accuracy due to impeller bearing wear) < 2% after 100 hours use at 7 M/S [14 KT, 25 KM/H, 16 MPH, 1400 FPM].

**Minimum Speed:** 0.3 M/S [0.6 KT, 1.0 KM/H, 0.7 MPH, 59.0 FPM].

**Maximum Speed:** 40 M/S [78 KT, 144 KM/H, 89 MPH]; 1,990 FPM (display limit).

### Display

**Type:** Reflective 2 ½ digit LCD.

**Digit Height:** 10 mm (0.4 in.).

**Update:** 1 second.

**Range and Resolution:**

Depends on measurement scale selected – see chart:

Scale	Range	Res'n
KT, M/S, KM/H, MPH	0.0-19.9	0.1
	20-199	1
FPM	0-1990	10
	(display limited to 1990 FPM)	

**Display Temperature Limitations:** Normal operation from -15°C to 60°C [-4°F to 140°F]. Below -15°C [-4°F], accurate readings may be taken by keeping the unit warmer than -15°C [4°F] and exposing it for the minimum time necessary to take a reading (less than one minute).

**Automatic Shutdown:** 30 minutes after last key press.

### Environmental

**Sealing:** Electronics enclosure IP67 – water resistant to 1 m. [3 ft.]. Floats.

**Shock:** Drop tested to 2 m. [6 ft.].

**Storage Temperature:** Prolonged exposure to temperatures below -20°C [-4°F] or above 80°C [176°F] may cause permanent damage.

### Physical

**Buttons:** Two sealed tactile rubber buttons control all functions.

**Battery:** User-replaceable CR2032 coin cell. Typical life, 400 hours.

**Impeller:** 25 mm [1 in] diameter, sapphire bearings, light weight. User-replaceable impeller/housing assembly.

**Case:** Slip-on case prevents damage to display and moving parts.

**Dimensions:** Unit: 122 x 42 x 14 mm. [4.8 x 1.7 x 0.6 in]  
Case, 117 x 46 x 19 mm. [4.6 x 1.8 x 0.7 in.]  
Lanyard, 0.5 m. [20 in.]

**Weight:** Unit, 43 g. [1.5 oz.]  
Case, 23 g. [0.8 oz.]