KESTREL® 1000 Pocket Wind Meter

Suggested Retail
$89.00 us

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The NK *Kestrel* 1000 Pocket Wind Meter is very accurate, very tough and very affordable. You can carry it in a pocket, hold it in one hand, and use it whenever and wherever you need to know wind speed. It features a large liquid crystal display, which is easy to read under almost any condition and offers three operating modes, wind speed, average wind speed, and maximum wind speed. The display can be changed at any time, with choices to suit a wide variety of applications (knots, meters per second, kilometers per hour, miles per hour or feet per minute, Beaufort). To measure wind speed, the *Kestrel* 1000 relies on a precision ultralight impeller mounted in jewel bearings. This impeller yields high accuracy (± 3%) and a low startup speed (0.3 M/S0, is shock-mounted in a glass-reinforced plastic housing, which can simply be popped out and replaced with a new assembly in the event that the impeller mechanism becomes worn or damaged. The *Kestrel* 1000 is waterproof and floats. The hard case slips on and off easily and protects the display and all moving parts from damage. Performance is guaranteed for one full year.

Performance Specifications

On-axis Accuracy: +/-3% of reading or +/-least significant digit, whichever is greater.
Off-axis Response: -1% @ 5 °, -2% @ 10 °, -3% @ 15 °.
Calibration Drift: <2% after 100 hours operation at 7 M/S
Minimum Speed: 0.3 M/S (~0.6 KT, 1KM/H, 0.7 MPH, 60 FPM).
Maximum Speed: 40 M/S (~78 KT, 144 KM/H, 89 MPH, 7830 FPM). Some loss of accuracy from bearing wear may occur with sustained operation over 25 M/S.

Display Specifications

Operating Modes: Moving 3-second average (wind speed), average since power on (AV) or maximum 3-second gust since power on (MAX).
Type: Reflective LCD.
Digit Height: 10 mm (0.4 in.).
Update: 1 second.
Range: 0.0 to 19.9, 20 to 199.
Units: Knots (KT), meters per second (M/S), kilometers per hour (KM/H), miles per hour (MPH) or feet per minute (FPM).

Operation Specifications

Buttons: Two sealed tactile rubber buttons control all functions.
Auto Shutdown: 30 minutes after last key press.
Battery: User-replaceable CR2032 coin cell. Typical life, 400 hours.

Environmental Specifications

Sealing: Electronics enclosure IP67 - water resistant to 1meter (3feet). Unit floats.
Shock: Drop tested to 2meters (6feet).
Temperature: Operating range, -15 °C to 50 °C (5 °F to 122 °F). Storage range, -20 °C to 80 °C (-4 °F to 176 °F).

Physical Specifications

Impeller: Diameter 25mm (1in.). High precision, jewel bearings. User replaceable impeller assembly.
Case: Slip-on hard case protects display, buttons and impeller.
Dimensions: Unit, 122x42x14 mm (4.8x1.7x0.6 in.); case, 117x46x19 mm (4.6x1.8x0.7 in.); lanyard, 0.5 m (10 in.).
Weight: Unit, 43 grams (1.5 ounces); case, 23 grams (0.8 ounces).