

Kestrel® Pocket Weather™ Meter

美國
U.S.A.



Kestrel 1000
Pocket Wind Meter
(Part No. 0800)



Kestrel 2000
Pocket Thermo Wind Meter
(Part No. 0803)



Kestrel 3000
Pocket Weather Meter
(Part No. 0808)

Available Functions	Kestrel 1000 Pocket Wind Meter	Kestrel 2000 Pocket Thermo Wind Meter	Kestrel 3000 Pocket Weather Meter
WIND SPEED	●	●	●
MAX WIND SPEED	●	●	●
AVG WIND SPEED	●	●	●
TEMPERATURE		●	●
WIND CHILL		●	●
RELATIVE HUMIDITY			●
HEAT STRESS INDEX			●
DEW POINT			●

SPECIFICATIONS

WIND SPEED

- Operating Modes: Moving 3-second average, maximum 3-second gust since power on (MAX) and average since power on (AVG).
- Display update: 1 second.
- Units: Knots (KT), meters per second (M/S), kilometers per hour (KM/H), miles per hour (MPH), feet per minute (FPM) and Beaufort force (B).
- On-Axis Accuracy: greater of $\pm 3\%$ or \pm least significant digit.
- Off-Axis Response: $-1\% @ 5^\circ$, $-2\% @ 10^\circ$, $-3\% @ 15^\circ$
- Resolution and Range: KT, M/S, KM/H or MPH: resolution 0.1; max display range 199.9. FPM: resolution 1.0 below 1999, 10 above 2,000 (auto-ranging); display limit 19,990.
- Min. Speed: 0.3 M/S [~ 0.6 KT, 1 KM/H, 0.7 MPH or 60 FPM]
- Max. Speed: 40 M/S [~ 78 KT, 144 KM/H, 89 MPH or 7,830 FPM]

TEMPERATURE, WIND CHILL, HUMIDITY, HEAT INDEX AND DEW POINT

- Operating Modes: Temperature; wind chill; relative humidity; heat stress index; dew point temperature.
- Units: degrees centigrade ($^\circ\text{C}$) and degrees Fahrenheit ($^\circ\text{F}$).
- Accuracy: Temperature and wind chill $\pm 1.0^\circ\text{C}$; relative humidity $\pm 3\%$ and dew point temperature $\pm 2^\circ\text{C}$ @ 20 to 90%RH; heat index $\pm 3^\circ\text{C}$
- Temperature/Wind Chill Display Update: 1 second.
- Humidity Sensor Response Time: 1 minute.
- Resolution: 0.1.

PHYSICAL

- 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, 300hrs.
- Impeller: 25mm [1 in] diameter, sapphire bearings, light weight. User-replaceable without tools.
- Temperature Sensor: Hermetically sealed precision thermistor.
- Humidity Sensor: Silicon based capacitive sensor.
- Display: Reflective $3\frac{1}{2}$ digit LCD, 9mm [0.36 in] digit height.
- Case: Slip-on hard case.
- Dimensions: 122x42x14mm. [4.8x1.7x0.6 in]; case, 117x46x19mm [4.6x1.8x0.7 in]; lanyard, 0.5m. [10 in].
- Weight: Unit, 44g. [1.6oz]; case, 23g. [0.8oz].



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