

Kestrel® 4000 Pocket Weather™ Tracker™

The Kestrel® Tracker is the next generation of weather monitoring. You can now measure EVERY major environmental condition, easily and accurately, right in the palm of your hand. The chart mode allows users to recall and graph up to 250 measurements, along with the date and time of storage. Barometric Pressure, Altitude, Density Altitude, Temperature, Humidity, Wind Speed, Wind Chill, Dew Point, Wet Bulb, and Heat Index... all in one pocket sized instrument.



- Graph and recall trends
- Easy to read, backlit display
- Time and date
- Customize screens to display user-selected measurements
- Hard cover allows use of other functions while protecting the impeller
- Automatically store measurements, even when the unit is turned off
- Manually store measurements with the press of a button
- Chart up to 250 measurements
- Impeller can be replaced without tools
- Exterior temperature, humidity, and pressure sensors for fast and accurate readings
- Includes neck and wrist lanyards, protective pouch and 2 AAA batteries
- Waterproof and floats
- 1-year warranty
- Assembled in the USA
- US Pat. Nos. 5,783,753 and 5,939,645 and 6,257,074



Kestrel 4000 is now available in **Safety Orange** for a limited time only, for the same price!.

*** Please contact us for details.**

Features and Specifications

Wind Speed

| | |
|-------------------|---------------------------------|
| Accuracy | ±3% |
| Response Time | 1 second |
| Calibration Drift | <2% after 100 hours use at 7m/s |

| Units | Display | Res'n | Range |
|---------------------|---------|-------|------------|
| Knots | KTS | 0.1 | 0.6 to 78 |
| Meters per Second | M/S | 0.1 | 0.3 to 40 |
| Kilometers per Hour | KM/H | 0.1 | 1.0 to 144 |
| Miles per Hour | MPH | 0.1 | 0.7 to 89 |
| Feet per Minute | FPM | 1 | 59 to 7877 |
| Beaufort Force | BEAU | 1 | 1 to 16 |

Temperature

Accuracy
 Temperature ±1°C
 Wind Chill ±1°C
 Dew Point ±2°C
 Heat Index ±3°C
 Response Time approximately 1 minute for most conditions

| Units | Display | Res'n | Range |
|------------|---------|-------|------------|
| Celsius | °C | 0.1 | -29 to 70 |
| Fahrenheit | °F | 0.1 | -20 to 158 |

Relative Humidity

Accuracy ±3%
 Response Time approximately 1 minute for most conditions
 Calibration Drift ±2% over 24 months (can be field calibrated)

| Units | Display | Res'n | Range |
|---------|---------|-------|----------|
| Percent | % | 0.1 | 5 to 95% |

Barometric Pressure

Accuracy ±3hPa (between -10°C and 60°C)
 Calibration Drift ±1hPa over 12 months (can be field calibrated)

| Units | Display | Res'n | Range |
|------------------|---------|-------|-----------------|
| hectoPascal (mb) | hPa | 0.1 | 870.0 to 1080.0 |
| Inches Mercury | inHg | 0.01 | 25.70 to 31.90 |

Altitude, Density Altitude

| Units | Display | Res'n | Range |
|--------|---------|-------|----------------|
| Meters | M | 1 | -500 to 9000 |
| Feet | FT | 3 | -1600 to 30000 |

Display

Update 1 second
 Temperature Normal operation from -20°C to 60°C [-4°F to 140°F]. Below
 re Range -20°C [-4°F], accurate readings may be taken by keeping the unit warmer than -20°C [-4°F] and exposing it for the
 minimum time necessary to take a reading (less than 1 minute).
 Storage -30°C to 60°C [-22°F to 140°F].
 Temperature
 re
 Auto After 15 minutes of no button presses. (This feature can be disabled.)
 Shutdown

Physical

Battery Two AAA alkaline batteries (included). Typical life, 400 hours.
 Impeller 25 mm. [1in.] diameter, sapphire bearings, light weight. User-replaceable impeller/housing assembly.
 Temperature Hermetically sealed precision thermistor.
 Sensor
 Humidity Solid state silicon capacitive sensor.
 Sensor
 Pressure Sensor Monolithic silicon piezoresistive sensor.
 Dimensions 12.7 x 4.5 x 2.8 cm. [5 x 1.8 x 1.1 in.]
 Weight 102 g. [3.6 oz.]
 *Specifications are preliminary and are subject to change.

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