

Kestrel® 2000

Pocket Weather Meter

Measures

- Current Wind Speed
- Maximum Wind Gust
- Average Wind Speed
- Air, Water & Snow Temperature
- Wind Chill

Know Your Conditions

- Measure environmental conditions quickly and accurately
- Reliable, portable and easy to use

Quality by Design

- All instruments and accessories are completely assembled in the USA
- Innovative design for stability and accuracy in abrupt condition changes
- Patented user-replaceable impeller
- Quick response, external thermistor

Features

- Protective cover with sure-grip overmolding
- Data hold function
- Large easy-to-read display with backlight
- 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) |
| Temperature, Wind Chill, Heat Stress, Dewpoint | °C, °F | ±1°C (±2°F) | -29 to 70°C (-20 to 158°F) |
| 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 | | |
| Temperature Sensor | Hermetically sealed precision thermistor | | |
| 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). Accurate readings may be taken beyond these temperature limits by exposing the unit for the minimum time necessary to take and record measurement. | | |
| Storage Temperature | Recommended -20°C to 80°C (-4°F to 176°F) | | |
| Temperature Limitations | The Kestrel temperature sensor is able to measure temperatures as low as -30C (-22F) and as high as 70C (158F). The Kestrel is able to display wind chill measurements lower than -30C, depending on wind conditions. It is also able to display heat index measurements above 70C, depending on humidity conditions. The Kestrel display will not function if the display itself gets below -15C. However, if the unit is kept in a pack or pocket or other warm area, the display itself should not get this cold. | | |
| Patents | 5,783,753; 5,939,645; Other patents pending. | | |
| Certification | Wind speed and temperature measurements are tested at the factory before packaging. Factory certification is available for additional fee. | | |
| Warranty | Product is CE certified. Standard 2-year warranty covers parts and labor. | | |

