



Kestrel 5100 Motorsport Weather Meter with Onboard Data Logging & Graphing

Product Images



Short Description

When winning matters, take the Kestrel 5100 for a ride. The Kestrel 5100 is just as accurate, reliable and user-friendly as the original Kestrel 4250. It measures moisture content in grains, air density, relative air density, humidity and other critical factors. Count on it for the information you need to make perfect ET predictions and performance-maximizing tuning and jetting decisions.

Description

The next generation of track weather monitoring is here with the Kestrel 5100 Racing Weather Meter.

The Kestrel 5100 measures moisture content in grains, air density, relative air density, humidity and other critical factors. Count on it for the information you need to make perfect ET predictions and performance-maximising tuning and jetting decisions.

The compact, portable design makes this unit easy to take right to the track – exactly where you need to get the most accurate and race-relevant measurements. Pair it with the optional Kestrel Vane Mount for hands-free measurements logged over the course of the day.

In addition to measuring the current environmental conditions, the Kestrel 5100 tracks and logs over 10,000 sets of time-stamped data for comparison to your actual run times later.

View your live & historical data on your mobile device - up to 100ft away from the Kestrel (requires the LiNK wireless communication option).

Kestrel 5100 Key Features

- Measures: • Air Density • Barometric Pressure • Density Altitude • Dew Point Temperature • Heat Stress Index • Moisture Content (Grains) • Relative Air Density • Relative Humidity • Station Pressure (Absolute Pressure) • Temperature • Wet Bulb Temperature (Psychrometric) • Wind Chill • Wind Speed/Air Speed
- Data Logging - Adjustable Interval
- Data Log Graph View
- Date & Time
- Optional LiNK Wireless (Bluetooth Low Energy) Communication. Comes with free apps for iOS & Android, and free software for Windows & Mac,
- Current/minimum/maximum/average reading
- High contrast display is perfectly readable in the brightest sunlight
- Switchable white/red backlight for night-time use
- Drop-Tested to US Military Specification MIL-STD-810G
- Waterproof to IP67 (3ft/1m underwater for 30 minutes)
- Floats if dropped in water.

Additional Information

Country of Manufacture	United States
Brand	Kestrel
Explanation	<p>Kestrel Weather & Environmental Meters are designed & manufactured in the USA and are backed by Kestrel's 5-year warranty. Innovatively designed for stability and accuracy in abrupt condition changes. Rugged and durable, Kestrels are drop tested, waterproof and float if dropped in water.</p> <p>The wind speed displayed is a 3 second rolling average. This allows the unit to provide a value that is more representative of the typical, ambient conditions rather than peak speeds for instantaneous blasts of air.</p> <p>The Kestrel 5100 anemometer can easily be switched between mph, km/h, ft/min, m/s, knots and Beaufort Scale.</p> <p>All Kestrel models can be fitted to a portable rotating wind vane mount and tripod, to create a very portable and accurate weather station.</p> <p>Patented Impeller Every Kestrel meter features a large, 1" impeller mounted on a sapphire jewel bearing, which means it starts rotating with the slightest puff of air. For superior accuracy, the impeller housing can rotate in the unit. The patented impeller is user-replaceable by simply pushing it out with your thumbs, which means it can easily be replaced if it is damaged or worn. The measurements from the wind impeller are taken magnetically. The impeller is not glued or attached to the unit. Because every new impeller is calibrated in the wind tunnel at the USA factory, if your application demands regular calibration, simply pop in a new impeller and the Kestrel Wind Meter is restored to like-new factory calibration standards.</p>
Contents	Kestrel 5100 Racing Weather Meter Protective Drawstring Pouch Lanyard Battery - 1 x AA Certificate of Conformity (with complete specifications) Instructions
Ideal For	Professional, Amateur
Dimensions	12.7 x 4.5 x 2.8 cm, 121 g (Lithium battery included)

Additional Options

Add LiNK Wireless Dongle to wirelessly transfer data logs to your PC/Mac

Kestrel LiNK Wireless Dongle

Add Kestrel LiNK Wireless Communication to your mobile device

Kestrel 5100 with LiNK

Add optional USB Data Transfer Cable for wired data communication with Windows/Mac computers

USB Data Transfer Cable for 5000 Series (Item: NK-0785)

Add Optional Belt Carry Pouch

Kestrel Protective Carry Pouch