**Kestrel 5100 Racing Weather Meter**

**Description:**

Make those last minute dial-in or turning decisions count with the Kestrel 5100. Measure weather where it really matters - at the track!

**Quick Look:**

* Measures moisture content (grains), air density, relative air density (RAD), relative humidity, temperature, barometric pressure, wind speed and much more. 14 measurements in all!
* Large, hi-res, hi-contrast, graphic display is perfectly readable in the brightest sunlight and is backlit for nighttime use.
* Handheld, portable weather station with onboard data logging and graphing.
* Optional LiNK connectivity powered by *Bluetooth Smart®* provides wireless communication to mobile devices and computers.
* Rugged (drop tested to MIL-STD-810G standards), waterproof (sealed to IP67 standards) and floats.
* Protective pouch, neck lanyard and Lithium AA battery included.
* 5-year warranty.

**Overview:**

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

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.

The new Kestrel 5 Series platform adds many new features and options. If you’re familiar with the Kestrel 4500, the first thing you’ll notice is the larger, higher-resolution and contrast display and improved font readability. The Kestrel 5 series also includes a built-in dual color backlight, extra-strong polycarbonate lens and AA battery operation and offers optional LiNK iOS and Android wireless connectivity and app support. Like all Kestrel meters, the Kestrel 5100 is drop-proof, dust-proof, waterproof and able to withstand harsh environments without damage – so it can race as hard as you do, wherever you do. A range of carry pouch options makes it even easier to take your Kestrel meter with you.

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. For maximum functionality, choose a Kestrel 5100 with LiNK to transmit live measurements to the Kestrel LiNK app on your iOS or Android device up to 100’ away (line of sight).

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. Your data log can be transferred to a mobile device wirelessly, or to a PC/MAC with either the optional Kestrel LiNK Dongle or waterproof USB Data Transfer Cable (available separately).

Kestrels have been put to the test in some of the harshest conditions on the planet. U.S. Special Forces, combat weather teams, wildland firefighters, smoke jumpers, Mt. Everest expeditions and auto pit crews are just a few who rely on a Kestrel to provide them with the crucial environmental data they need. Watch the Weather Channel during a hurricane, and you’re sure to spot a Kestrel in action.

Affordable, accurate, portable and reliable, Kestrel meters have been proven at race tracks everywhere. Put the weather on your side – put a Kestrel in your toolbox.

**What’s New in the Kestrel 5100:**

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| **Features** | **Benefits** |
| Kestrel LiNK for mobile | Android and iOS apps put crucial information at your fingertips with real-time remote data viewing on phones and tablets up to 100’ away.  Kestrel LiNK also provides easy data export, threshold alerts and simple firmware updates. |
| LiNK wireless connectivity powered by Bluetooth Smart | Robust, easy connectivity to both iOS and Android mobile devices as well as Windows and Mac computers. (Computers require optional Kestrel USB Dongle.) |
| USB Data Transfer Cable | Low profile, lightweight, waterproof cable provides wired connectivity to Windows and Mac computers for fast data uploads and firmware updates.  Compatible with every model in the Kestrel 5 Series. |
| Sleek, rugged tripod vane mount | Small, secure, robust vane mount turns any Kestrel 5 Series meter into a portable weather station that remains oriented into the wind. (Included in some models where noted, otherwise sold as optional accessory.) |
| Large, high contrast screen | Easily readable text in almost any setting, including bright sunlight, with more visible information on the screen at all times. This high-resolution display is easy on the eyes, allowing you to get more information from customizable user screens, charting and graphing options without causing eye strain or fatigue. |
| Dual color backlight | Toggle backlight color between standard white and night-vision-preserving red (NV). The red NV backlight features an optical wavelength selected to help users sustain natural night vision and reduced brightness to avoid detection during night maneuvers. |
| Secure battery door | Large, O-ring sealed door provides easy, tool-free battery access. |
| Scratch and breakage-resistant window | Rigid, polycarbonate lens with scratch-coating protects the display from damage. |
| Corrosion-resistant battery compartment | Battery is isolated from electronics, reducing damage in the event of a battery leak. (Note – Lithium AA batteries strongly recommended to avoid battery leakage altogether.) |
| Intuitive user-interface | Icon-based navigation, intuitive keypad, and multiple languages make the Kestrel a breeze to use. |

**Measurements:**

Air Density

Altitude

Barometric Pressure

Density Altitude

Dew Point Temperature

Heat Stress Index

Moisture Content (Grains)

Relative Air Density (RAD)

Relative Humidity

Station Pressure (Absolute Pressure)

Temperature

Wet Bulb Temperature (Psychrometric)

Wind Chill

Wind Speed

**Who’s Using the Kestrel 5100 Weather Meter:**

Bracket Racers

Drag Racers

Pit Crews

Professional Auto Racing Teams

**Works with Compatible Apps:**

**Kestrel LiNK for Windows & Mac**

Simple communication to Windows and Mac computers is provided through the optional LiNK .USB Dongle or USB Data Transfer Cable. Download your data to view, analyze and archive. Enables firmware update of Kestrel 5 series meters.

**Kestrel LiNK for iOS & Android** (*Android coming soon!*)

Wirelessly connect with iOS and Android devices. When in range, view real-time measurements, receive on-screen alerts and download your data. Logged data can be viewed, analyzed, archived and shared via e-mail, Facebook and Twitter. Enables firmware update of Kestrel 5 series meters. NOTE: Range up to 100’ line of sight – reduced by walls and obstructions.

**Models & SKUs:**

* Kestrel 5100 Racing Weather Meter: 0851RED
* Kestrel 5100 Racing Weather Meter with LiNK: 0851LRED

**Includes:**

* Neck Lanyard
* AA Lithium Battery (Average Life 400 Hours)
* Protective Drawstring Pouch
* Certificate of Conformity (with complete specifications)
* Instruction Manual
* 5-Year Warranty

**You may Also Be Interested in:**

Kestrel Vane Mount

Belt Carry Pouch

USB Data Transfer Cable

Kestrel LiNK Dongle for PC or Mac

Spare/Replacement Wind Impeller