**Kestrel Elite Weather Meter with Applied Ballistics**

**Description:**

Get the world’s most complete ballistics calculator – a rugged Kestrel Weather Meter with the "science of accuracy" built in! The Kestrel Elite Weather Meter provides the full capabilities of the Applied Ballistics Elite ballistics solver along with accurate measurement of wind and air density to deliver elevation and windage solutions for unprecedented accuracy on extended long range shots. Utilizing the full power of the Applied Ballistics solver the Kestrel Elite is intended for shooters who want to reach deep into the transonic and subsonic range. Improved 2015 design!

**Quick Look:**

* Employs the Applied Ballistics bullet library of custom drag models, an exact measurement of your bullet’s drag profile plus corrections for Aerodynamic Jump, Spin Drift, Coriolis, and Drop Scale Factoring to achieve accurate extended long-range shots.
* Expanded features include a customizable Range Card, and an expanded Ballistics Data Table as well as storage for up to 16 gun and bullet profiles and 5 saved targets.
* Weather mode offers the full environmental measurements, storage and charting capabilities of the Kestrel 5500 Weather Meter, including wind speed, direction, crosswind, temperature, humidity, pressure and altitude.
* Optional LiNK connectivity powered by *Bluetooth Smart®* provides wireless communication to mobile devices and computers and integration with LiNK compatible laser range finders for improved speed and accuracy
* Kestrel LiNK for Ballistics app on iOS and Android provides full gun management as well as access to the Applied Ballistics library of custom drag models for transfer to the Kestrel.
* Large, hi-res, hi-contrast, graphic display is perfectly readable in the brightest sunlight. Includes both bright white and night-vision-preserving red backlight.
* Choice of solution units (Mils, true MOA, Shooter’s MOA, or clicks) - works with any gun or targeting scope.
* 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 Kestrel Elite Weather Meter with Applied Ballistics takes the guesswork out of long-range shooting, even out to the transonic and subsonic flight range of your bullet.*

This next-generation integrated weather meter and ballistics solver provides the same trusted accuracy, reliability, and usability as the original Kestrel 4500 with Applied Ballistics but 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 Elite is drop-proof, dust-proof, waterproof and able to withstand harsh environments without damage – so it can accompany you to the range, hunt, match, deployment or engagement for years to come. A range of carry pouch options makes it even easier to take your Kestrel meter with you.

Buy the Kestrel Elite with LiNK and get the power of the free Kestrel LiNK Ballistics app. Build and manage your gun/bullet profiles and download them to your Kestrel Elite before you set out. Choose from the extensive Litz library of custom bullet drag models for the most precise trans-sonic and sub-sonic range solutions available anywhere. At the range or match, secure your Kestrel Elite to a tripod using the optional Kestrel Vane Mount and use the app to quickly adjust the target range and view the shooting solution and wind rose without leaving your shooting position. The LiNK Ballistics app even lets you set up multiple targets for single-screen viewing – just about an unfair advantage! It’s like having a meteorologist and ballistician standing next to you while you shoot.

LiNK enabled units can also be wirelessly paired with LiNK compatible laser range finders, such as the Bushnell Elite 1 Mile CONX, to seamlessly integrate target data into the ballistic solution for unparalleled speed and accuracy.

In addition to the ballistics solver capabilities, the Kestrel Elite is a comprehensive weather meter for measurement and logging of primary environmental conditions: wind speed and direction, temperature, humidity, heat index, pressure and altitude. Paired with the Vane Mount, the Kestrel Elite becomes a compact, easily-deployable weather station. Your data log can be transferred to a mobile device wirelessly with the LiNK wireless communication option and Kestrel LiNK app, or to a PC/MAC with either the wireless USB 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 any on-screen meteorologist during a hurricane, and you’re sure to spot a Kestrel in action. With a Kestrel Elite, you can put accurate shooting solutions and environmental measurements in the palm of your hand, anywhere your adventure takes you.

**Features Comparison Chart**

|  |  |  |
| --- | --- | --- |
|  | **Sportsman** | **Elite** |
| **Performance Features** |  |  |
| G1/G7 Drag Models | X | X |
| Aerodynamic Jump Correction | X | X |
| Spin Drift Correction | X | X |
| Coriolis Correction | X | X |
| Drop Scale Factor Calibration |  | X |
| Applied Ballistics Custom Drag Models |  | X |
| **Utility Features** |  |  |
| Connect With LiNK Compatible Range Finders | X | X |
| Muzzle Velocity Calibration | X | X |
| Target Range Estimator | X | X |
| Gun/Bullet Profiles | 3 | 16 |
| Targets | 1 | 5 |
| Ballistic Data Table | Basic | Expanded |
| Range Card |  | X |
| **Kestrel LiNK Ballistics App Features** |  |  |
| Remote Viewing | X | X |
| Gun/Bullet Profile Loader | X | X |
| Applied Ballistics G1/G7 Bullet Library | X | X |
| Multi-Target View |  | X |
| Applied Ballistics Litz Custom Drag Models |  | X |

**What’s New in the Kestrel Elite:**

|  |  |
| --- | --- |
| **Features** | **Benefits** |
| Kestrel LiNK Ballistics for mobile | Android and iOS (coming soon) apps for gun profile management and target engagement. Use your mobile device to quickly adjust target distance and view shooting solution without leaving your shooting position. |
| Kestrel LiNK for mobile | Android (coming soon) and iOS apps put environmental 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. |

**Environmental Measurements:**

Altitude

Barometric Pressure

Crosswind

Density Altitude

Dew Point Temperature

Direction (Wind Direction and Orientation)

Headwind/Tailwind

Heat Stress Index

Relative Humidity

Station Pressure (Absolute Pressure)

Temperature

Wet Bulb Temperature (Psychrometric)

Wind Chill

Wind Speed

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

Hunting

Law Enforcement

Military

Precision & Competitive Shooting

**Works with Compatible Apps:**

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

Wirelessly connect with mobile devices. When in range, manage and transfer gun profiles, adjust Kestrel target range, and view shooting solutions on the mobile device. Multi-target view provides single-screen summary of customized targets – perfect for match day. Most effective when paired with the Kestrel Vane Mount for real-time windage solutions.

**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 Elite Weather Meter with Applied Ballistics (Black): 0857ABLK
* Kestrel Elite Weather Meter with Applied Ballistics (Olive): 0857AOLV
* Kestrel Elite Weather Meter with Applied Ballistics (Tan): 0857ATAN
* Kestrel Elite Weather Meter with Applied Ballistics and LiNK (Black): 0857ALBLK
* Kestrel Elite Weather Meter with Applied Ballistics and LiNK (Olive): 0857ALOLV
* Kestrel Elite Weather Meter with Applied Ballistics and LiNK (Tan): 0857ALTAN

**Includes:**

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