



IMPORTANT SAFETY AND PRODUCT INFORMATION

The following product-related safety information applies to all Kestrel Instruments and Kestrel Ballistics products. For more details on individual product features and operation, please visit kestrelinstruments.com

PRODUCT DOCUMENTATION

**For instruction manuals for all Kestrel products, FAQ's, technical support, instructional videos and more, please visit:
www.kestrelinstruments.com/support**

support@kestrelinstruments.com

Facebook: [Facebook.com/KestrelMeters](https://www.facebook.com/KestrelMeters)

Twitter: [@KestrelWeather](https://twitter.com/KestrelWeather)

Instagram: [@KestrelWeather](https://www.instagram.com/KestrelWeather)

Youtube Channel: [Kestrel Weather Meters](https://www.youtube.com/KestrelWeatherMeters)

SAFETY WARNINGS



WARNING! To reduce the risk of injury or death to persons, read and follow these guidelines and all instructions carefully!

Read your Kestrel Instrument's ENTIRE user manual to become familiar with the features of the product before operating. Failure to operate the product correctly can result in damage to the product or inaccurate environmental readings. Use care and good judgment whenever you are referring to any Kestrel instrument to make decisions regarding safety, health or property protection.

- Pay careful attention to the recommendations in this guide and your Instruction Manual on "Taking Accurate Measurements."
- Be certain your Kestrel's accuracy has not been compromised by improper storage or handling, contamination, or product damage. When in doubt, verify your Kestrel's accuracy against a known good standard for the measurement in question, or return your Kestrel to the manufacturer for validation and/or calibration.
- Allow a margin of safety for changing conditions and reading errors (2-3% of reading is recommended).



WARNING! The KST1000 buzzer is extremely loud (over 100 dB) and can cause permanent hearing damage. Wear suitable hearing protection when operating. Do not operate the buzzer near individuals without hearing protection.

NOTICE: All instructions and associated documents are subject to change at the sole discretion of the manufacturer. For up-to-date product information, visit www.kestrelinstruments.com/support

SAFETY WARNINGS FOR HEAT STRESS AND COLD EXPOSURE MEASUREMENTS



WARNING! If you are relying on any Kestrel measurement to estimate the probability of danger or injury to people or animals from heat or cold, you **MUST** read, understand and follow these guidelines carefully to reduce the risk of injury or death.

- Understand that the **Heat Stress Index, Wind Chill Index, Wet Bulb Globe Temperature (“WBGT”) and Thermal Work Limit (“TWL”)** models as well as guidance tables based on these values are based on typical physiological response. Certain individuals or animals may be more susceptible to harm relating to environmental conditions and require additional precautions. For example, very young or elderly individuals, individuals with asthma, and individuals who have not become acclimatized to hot conditions are likely to be more prone to heat injury.
- Know yourself and the individuals and items you are responsible for when making decisions about safe levels of exertion and exposure. Where appropriate, seek the guidance of a medical professional.

Recognizing and Responding to Possible Heat Injury

- Know what to do in the event of heat or cold injury and be prepared with supplies.
- In the case of heat illness, remember the rule – “Cool first, transport second.” An inexpensive ice bath can mean the difference between life and death.

TAKING ACCURATE MEASUREMENTS



CAUTION! Your Kestrel instrument is designed to provide accurate measurement of current conditions only. Depending on your location and environment, conditions may change rapidly.

Rapid temperature and humidity changes (i.e., moving your product from indoors to outdoors) may cause inaccurate readings of temperature and humidity as well as all readings that rely on either of these values. This includes ALL measurements relating to heat stress.

Before relying on readings from your Kestrel instrument, be sure to either

- a) Force airflow over the sensors by waving or slinging your product through the air; or
- b) Wait until your unit's readings have stabilized, indicating it has equilibrated to its new environment.

To maximize the accuracy and reliability of your readings:

- **Ensure that your Kestrel instrument is in good repair and within factory calibration.**
- **Take readings frequently and carefully according to the guidelines above.**
- **Allow your instrument's readings to stabilize after significant changes in temperature or humidity (i.e., changing location from indoors to outdoors).**

BATTERY SAFETY

You must read and follow these warnings regarding the lithium batteries found in your Kestrel instrument.



WARNING! The battery(ies) shipped with your Kestrel Instrument contain lithium, a toxic substance. Ingestion may cause serious injury or death! Read and follow these guidelines carefully.

- Keep battery out of the reach of children. **Be particularly careful with coin cell batteries as they are very attractive to children and easily swallowed!**
- If a battery is swallowed, immediately seek medical help. Have doctor phone 24-hour hotline at (202) 625-3333; call collect if necessary.
- Dispose of batteries properly and according to local regulations.
- Do not puncture or burn batteries.
- If the battery compartment does not close securely, stop using the product and keep it away from children.

We recommend that ONLY Lithium batteries be used in your Kestrel instrument to provide the widest operating temperature range and to avoid damage caused by leaking batteries. If you must use conventional batteries, please do not store your Kestrel instrument with the batteries in place.

Damage caused by battery corrosion is not covered under warranty.

BATTERY SAFETY

The following warning applies to Kestrel Models 1000-3550 and all Kestrel DROP products:

WARNING!

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as 2 hours.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN.**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



CR2032 3V

BATTERY SAFETY

- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Battery Type and Voltage – 3V CR2032 (Kestrel DROP, Kestrel 1000-3550), 1.5V AA Lithium (Kestrel 5000-5700), 3V CR123 (KST1000)
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 60° C or incinerate. Doing so may result in injury due to venting, leakage, or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and-).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

CALIFORNIA PROPOSITION 65



WARNING! This product and/or its included or branded accessories can expose you to chemicals, including lead, lead compounds and phthalate DEHP, which are known to the State of California to cause cancer and lead and lead compounds, bisphenol A (BPA), and phthalate DnHP, which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warning.ca.gov.

More Information

Many of the elements listed under Proposition 65 are commonly found in products in the electronics industry. Although Kestrel Instruments' manufacturing process is "lead-free," it remains possible that small amounts of lead could be found in components or subassemblies. Bisphenol A (BPSA) could be found in plastic housings, lenses, labels or adhesives, and DEHP & DINP (phthalates) could be found in PVC wire coatings of cables, housings, carrying cases, and/or power cords. Because we cannot guarantee that these chemicals are never present, we have elected to place the warning on our products to ensure compliance with California law and our customers' right to know. While we have not attempted to evaluate exposure, we believe that normal consumer use of this product is unlikely to result in exposure that creates a significant risk of harm. For more information visit www.kestrelinstruments.com/Prop65 or contact us directly at techsupport@nkhome.com.

COMPLIANCE



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference,
2. This device must accept any interference received, including interference that may cause undesired operation.



This Class B digital device complies with Canadian ICES-003.



Conforms with Council Directive 2004/108/EC (12/15/2004) on Electromagnetic Compatibility.



This product is in conformity with the relevant statutory requirements applicable.



RoHS (Reduction of Hazardous Substances) compliant.



Marked in accordance with the WEEE (Waste Electrical and Electronic Equipment) Directive. Please do not dispose of the Kestrel batteries in your household trash. Return to NK, an NK dealer, or a designated recycling center for proper recycling and disposal.



Does not contain greater than >0.1% of the Substances of Very High Concern (SVHC) on the REACH European Regulation on the Registration, Evaluation, Authorisation and Restriction of Chemicals Candidate List.

WARRANTY



Your Kestrel product is covered by a manufacturer's warranty. For full details, please visit <https://kestrelinstruments.com/warranty> or scan this QR code for all warranty information regarding your device.

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