



**Kestrel<sup>®</sup>**

**IMPORTANT SAFETY AND  
PRODUCT INFORMATION**

The following product-related safety information  
applies to all Kestrel Instruments and Kestrel  
Ballistics products.

## 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).

## SAFETY WARNINGS FOR HEAT STRESS AND COLD EXPOSURE MEASUREMENTS



**WARNING! If you are relying on any Kestrel measurement to estimate of danger of 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 air flow 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 coin cell, AA or AAA batteries 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.**




#### CALIFORNIA PROP 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](http://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, an/ 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](http://www.kestrelinstruments.com/Prop65) or contact us directly at [techsupport@nkhome.com](mailto: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.
	RoHS(Reduction of Hazardous Substances) compliant.
	Marked in accordance with the WEEE (Waste Electrical and Electronic Equipment) Directive. <b>Please do not dispose of the Kestrel batteries in your household trash.</b> 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.

**NK**  
 NIELSEN-KELLERMAN | 21 Creek Circle | Boothwyn, PA 19061

 **PROUDLY DESIGNED  
 AND BUILT IN THE USA  
 BY KESTREL**