

Kestrel 4400 Heat Stress Tracker®

Product of Nielson-Kellerman

The Kestrel 4400 Heat Stress Tracker® uses a variety of measurements to show when heat, humidity, and the sun create unsafe exercise conditions, allowing coaches and athletic trainers to prevent heat-related illnesses and fatalities before they occur. The Nielson-Kellerman Company has been serving Olympic athletes, firefighters, and military professionals with their highest quality products for 30 years. Devoted to delivering the best quality to their customers, Nielson-Kellerman products are manufactured in the USA and undergo rigorous testing.

The risk for heat related injuries and fatalities can be reduced and prevented using tools like the Kestrel 4400 Heat Stress Tracker®.

The Kestrel 4400 Heat Stress Tracker® uses a combination of wet bulb globe temperature, thermal work limit, globe temperature, and naturally aspirated wet bulb temperature to flag when conditions become unsafe.

Wet Bulb Globe Temperature:

- Combines radiant heat, evaporative heat, and dry bulb measurements
- Predicts how the temperature, humidity, and solar radiation affect a person

Thermal Work Limit:

- Is an environmental measurement that combines temperature, humidity, wind speed, and exposure to radiant heat from the sun
- Measures a heat-stress index that gauges the safety of the environment
- Varies from person to person depending on the amount of clothing they're wearing and the intensity of their work.

Globe Temperature:

- Measures radiant temperature
- The Kestrel 4400 uses a 25.4mm black globe that provides accurate, reliable information in a portable device smaller than the majority of wet bulb globe temperature trackers.

Naturally Aspirated Wet Bulb Temperature:

- Is a measurement depicting the temperature of a wetted thermometer in equilibrium with temperature, humidity, and wind speed.

Features:

- 5-Year Limited Warranty
- Waterproof
- Time and date
- Exterior temperature, humidity, and pressure sensors ensure fast and accurate readings
- Relative Humidity Calibration Kit allows the humidity sensor to be easily recalibrated in the field
- Available with Bluetooth®



Gifts to support The Korey Stringer Institute may be made through the UConn Foundation, Inc. a tax-exempt 501(c)(3) corporation dedicated exclusively to benefit the University, and are deductible for federal incomes tax purposes to the extent allowable by law. All gifts will be used to benefit The Korey Stringer Institute and its mission.

Data: The Kestrel 4400 automatically stores measurements even when the unit is turned off. In addition, users can manually store measurements with the push of a button. Data upload includes an optional interface, and the ability to graph and recall trends.

User Friendly: The hand-held Kestrel 4400 Heat Stress Tracker® comes with a small and easy to handle Globe. User-replaceable impeller with a flip-top impeller cover allows the use of other functions while simultaneously protecting the impeller. Additionally, users may customize screen settings to display desired measurements.

Measurements:

- Wet Bulb Globe Temperature
- Thermal Work Limit
- Globe Temperature
- Naturally Aspirated Wet Bulb Temperature
- Mean Radiant Temperature
- Wind Speed
- Temperature
- Wind Chill



- Relative Humidity
- Heat Stress Index
- Dew Point Temperature
- Barometric Pressure
- Altitude
- Density Altitude
- Pressure Trend



For more information, please visit www.nkhome.com

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