ENVIROMONITORS

Call our friendly team on
01243 558280

EnviroMonitors
Ford Lane Business Park
Ford
West Sussex
BN18 0UZ, UK
www.enviromonitors.co.uk

Kestrel 5400 Wet Bulb Globe Temperature Heat Stress Tracker & Weather Meter

Product Images

Short Description

Detect unsafe heat-related conditions - the Kestrel 5400 Heat Stress Tracker is the most user-friendly WBGT meter on the market. Complete with customisable warning flag settings, graphing and measurement statistics.

Description

The Kestrel 5400 measures Wet Bulb Globe Temperature (WBGT), Thermal Work Limit (TWL), heat index, temperature, humidity and much more. 15 measurements in total!

View your live & historical data on your mobile device - up to 100ft away from the Kestrel (requires the LiNK wireless communication option).

The Kestrel 5400 provides insight into the critical conditions affecting safety, performance and success. The Kestrel 5400 Pro with LiNK Wireless Data Communication adds a compass and rotating wind vane mount for tracking wind direction as well, expanding its usability to include HAZMAT response, and even measuring headwind at the running track.

Kestrel 5400 Key Features

- Handheld, portable data logger with on-screen graphing and measurement statistics.
- Measures: Altitude (Barometric), Barometric Pressure, Compass Direction**, Crosswind**, Density Altitude, Dew Point Temperature, Globe Temperature, Headwind/Tailwind**, Heat Stress Index, Naturally Aspirated Wet Bulb Temperature, Relative Humidity, Station Pressure (Absolute Pressure), Temperature, Thermal Work Limit (TWL), Wet Bulb Temperature (WBGT), Wet Bulb Temperature (Psychrometric), Wind Chill, Wind Direction**, Wind Speed/Air Speed. ** Available with Kestrel 5400 Pro version (includes Compass, LiNK + Vane Mount)
- WBGT Warning Flags – Settable
- Alarm buzzer
- Black Globe Temperature Sensor
- Digital Compass (Pro model only)
- Data Logging - Adjustable Interval
- Data Log Graph View
- Date & Time
- Optional LiNK Wireless (Bluetooth Low Energy) Communication. Comes with free apps for iOS & Android, and free software for Windows & Mac,
- Current/minimum/maximum/average reading
- High contrast display is perfectly readable in the brightest sunlight
- Switchable white/red backlight for night-time use
- Drop-Tested to US Military Specification MIL-STD-810G
- Waterproof to IP67 (3ft/1m underwater for 30 minutes)
- Floats if dropped in water

Additional Information

Country of Manufacture	United States
Brand	Kestrel
Explanation	The Kestrel 5400 is a handheld, portable, WBGT (Wet Bulb Globe Temperature) measurement tool and environmental data logger. No need for distilled water, bulky globes, complicated setup or expensive equipment. Getting accurate measurements couldn't be easier: just hold the Kestrel Heat Stress Tracker in the area of interest for both instantaneous and average WBGT measurements. Set the appropriate WBGT thresholds for flag warnings and the loud buzzer, bright LED beacon and on-screen warnings provide instant notification of dangerous conditions. Plus the Kestrel 5400 comes with commonly used heat safety guidelines for athletics, industrial, and military on a handy, waterproof chart. Unlike other WBGT meters on the market, the Kestrel 5400 is a full-featured weather meter as well. Measure wind speed, maximum wind gusts, temperature, humidity, pressure, wind chill, density altitude and more. The Kestrel 5400 provides insight into the critical conditions affecting safety, performance and success. Pair the Kestrel 5400 with the optional Kestrel Vane Mount for hands-free measurements over the course of the practice, training session or workday. And for maximum functionality, choose the Kestrel 5400 with LiNK to transmit live measurements to your phone or tablet when you're within range. The Kestrel LiNK app will also display alerts on your mobile device to let you know when conditions have become dangerous. In addition to measuring the current environmental conditions, the Kestrel 5400 tracks and logs over 10,000 sets of time-stamped data. 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 accessory Kestrel LiNK Dongle or waterproof USB Data Transfer Cable (available separately). The Kestrel Heat Stress Tracker line has been used by the US Army, US Navy, athletic trainers, and organisers at the Boston Marathon. There truly is no comparable environmental safety monitoring tool on the market. Kestrel Weather & Environmental Meters are designed & manufactured in the USA and are backed by Kestrel's 5-year warranty. Innovatively designed for stability and accuracy in abrupt condition changes. Rugged and durable, Kestrels are drop tested, waterproof and float if dropped in water. The wind speed displayed is a 3 second rolling average. This allows the unit to provide a value that is more representative of the typical, ambient conditions rather than peak speeds of instantaneous blasts of air. The Kestrel 5400 anemometer can easily be switched between mph, km/h, ft/min, m/s, knots and Beaufort Scale. All Kestrel models can be fitted to a portable rotating wind vane mount and tripod, to create a very portable and accurate weather station. **Patented Impeller** Every Kestrel meter features a large, 1" impeller mounted on a sapphire jewel bearing, which means it starts rotating with the slightest puff of air. For superior accuracy, the impeller housing can rotate in the unit. The patented impeller is user-replaceable by simply pushing it out with your thumbs, which means it can easily be replaced if it is damaged or worn. The measurements from the wind impeller are taken magnetically. The impeller is not glued or attached to the unit. Because every new impeller is calibrated in the wind tunnel at the USA factory, if your application demands regular calibration, simply pop in a new impeller and the Kestrel Wind Meter is restored to like-new factory calibration standards.
Contents	Kestrel 5400 Wet Bulb Globe Temperature Heat Stress Tracker & Weather Meter Protective Drawstring Pouch Lanyard Battery - 1 x AA Certificate of Conformity (with complete specifications) Instructions
Ideal For	Professional, Education
Dimensions	12.7 x 4.5 x 2.8 cm, 121 grams
Batteries	1 x AA Lithium Battery (included)

Additional Options

Optional Upgrades	Kestrel 5400 with Rotating Wind Vane Mount (Non-LiNK version)
	Kestrel 5400 Pro with LiNK Wireless Communication, Compass & Vane Mount
Add LiNK Wireless Dongle to wirelessly transfer data logs to your PC/Mac	Kestrel LiNK Wireless Dongle
Add optional USB Data Transfer Cable for wired data communication with Windows/Mac computers	USB Data Transfer Cable for 5000 Series (Item: NK-0785)
Add Optional Belt Carry Pouch	Kestrel Protective Carry Pouch