

HS10 Heat Stress WBGT (Wet Bulb Globe Temperature) Meter

Monitor environmental heat stress conditions for worker safety and athletic training

Key Features

Simultaneous Display

Shows air temperature, humidity, and either WBGT or Heat Index.

20-Second Display Refresh

160 x 120 (19,200 pixels) with ≤ 50 mk Thermal Sensitivity (NETD).

Programmable Alarms

Set both visual and audible alarms for WBGT and Heat Index thresholds.

Alert Indicators

Four levels—Caution, Extreme Caution, Danger, and Extreme Danger—offer visual cues to rising heat risk.

In/Out Mode Switch

Measures WBGT with or without the effects of direct sunlight.

Adjustable Alarm Volume

Choose between 75 dB, 60 dB, or mute for different environments.

Wall and Tripod Mountable

Fixed installations or hands-free use over extended periods.

Temperature Units

$^{\circ}$ F/ $^{\circ}$ C switchable for user preference.

NIST-Traceable Option

Available with Certificate of Traceability to N.I.S.T.

Includes

Comes with (2) AAA batteries and an arm strap for field use.



Applications

Monitoring heat stress in outdoor athletic training and competitions

Construction sites and industrial job sites

Foundries, glass plants, and boiler rooms

Brick firing facilities and mining operations

Any environment where excessive heat poses a safety risk

Users

- Safety managers and EHS professionals
- Athletic trainers and sports event organizers
- Industrial hygienists and facilities engineers
- Military and emergency services personnel
- HVAC technicians and environmental consultants



*Tripod Not Included

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Specifications

Air Temperature	32 to 122°F (0 to 50°C)
Air Temp Accuracy	±1°F (±0.6°C)
Relative Humidity	0.1 to 99.9% RH
Humidity Accuracy	±5% RH (10 to 90% RH)
Globe Temperature	32 to 158°F (0 to 70°C)
WBGT Temperature	32 to 122°F (0 to 50°C)
WBGT Alarm Range	68 to 122°F (20 to 50°C)
Heat Index	32 to 140°F (0 to 60°C)
Heat Index Alarm Range	68 to 140°F (20 to 60°C)
Black Ball Diameter	1.6" (40mm)
Power Supply	2 × AAA batteries (included)
Dimensions	2.8 x 2.4 x 0.9" (70 x 60 x 22mm)
Weight	3.2oz (90g)

Ordering Information:

HS10 Heat Stress WBGT (Wet Bulb Globe Temperature) Meter
HS10-NIST HS10 Including Certificate of Traceability to NIST

What's in the Box?

Rechargeable Lithium Ion battery (installed)
 (2) AAA Batteries
 Arm Strap

