

## HS10 - Heat Stress/WBGT (Wet Bulb Globe Temperature) Meter

### Monitor Environmental Heat Stress Conditions for Worker Safety and Athletic Training

The HS10 is a comprehensive monitoring solution designed to help safeguard workers, athletes, and outdoor personnel from heat-related health risks. By measuring Wet Bulb Globe Temperature (WBGT), Heat Index, Air Temperature, and Relative Humidity, the HS10 provides real-time environmental heat stress assessments for workplaces, athletic training facilities, construction sites, warehouses, and outdoor events. Simultaneous display of critical environmental parameters, programmable visual and audible alarms, and four heat-risk alert levels enable users to quickly identify hazardous conditions and take preventive action. With indoor/outdoor WBGT measurement modes, adjustable alarm settings, and flexible wall or tripod mounting options, the HS10 delivers reliable, continuous heat stress monitoring wherever safety and performance matter most.

#### Key Features:

- Simultaneously displays Air Temperature, Humidity, and either WBGT or Heat Index
- Display resolution of 160 × 120 (19,200 pixels) with ≤50mk Thermal Sensitivity (NETD); updates every 20 seconds
- Programmable visual and audible alarms for WBGT and Heat Index thresholds
- Four level alert indicators (Caution, Extreme Caution, Danger, and Extreme Danger) offer visual cues to rising heat risk
- Measures WBGT with or without the effects of direct sunlight
- Adjustable alarm volume (75dB, 60dB, or mute) for different environments
- Wall and tripod (1/4-20" UNC) mountable for hands-free use over extended periods (tripod not included)
- Traceable Calibration Assurance: Optional model includes a Certificate of Traceability to N.I.S.T.



#### 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

#### Specifications

Function	Range
Air Temperature	32 to 122°F (0 to 50°C)
Accuracy	±1°F (±0.6°C)
Relative Humidity	0.1 to 99.9% RH
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)



Events and worksites where heat index levels should be monitored for health safety risks

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## Specifications (continued)

Function	Range
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)
Resolution	0.1°, 0.1% RH
Power	2 × AAA batteries (included)
Battery Life	~1920hrs
Black Ball Diameter	1.6" (40mm)
Dimensions	2.8 × 2.4 × 0.9" (70 × 60 × 22mm)
Weight	3.2oz (90g)

## Ordering Information

HS10 ..... Heat Stress/WBGT (Wet Bulb Globe Temperature) Meter  
HS10-NIST ..... Heat Stress/WBGT Meter with Certificate Traceable to NIST



### What's In the Box

- HS10
- Armstrap
- 2 × AAA batteries
- User manual

For more information about HS10, please scan or click:



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