



### Features

- Measures ambient temperature, humidity, wet bulb temperature, black globe temperature, WBGT (wet bulb global temperature), heat stress index, dew point and pressure
- Heat Stress Index measures how hot it feels when humidity is combined with temperature, air movement and radiant heat
- Black Globe Temperature (GT) monitors the effects of direct solar radiation on an exposed surface
- In/Out function displays the WBGT value with or without direct sun exposure
- Multi-line backlit LCD display simultaneously displays 4 measurements
- Maximum, Minimum, Average and Data Hold functions
- Internal memory stores up to 99 measurements
- User selectable unit of measure (°F or °C)
- User adjustable WBGT threshold alarm (audible)
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off
- Includes batteries

Model	Description
R6200	WBGT Heat Stress Meter
R9933	Humidity Calibration Standard, 33%
R9975	Humidity Calibration Standard, 75%
R9980	Humidity Calibration Kit (33% and 75%)
R1500	Lightweight Tripod with Instrument Adapter
CA-05A	Soft Carrying Case, 10 x 4.3 x 1.7"
R6200-NIST	WBGT Heat Stress Meter & NIST

### TECHNICAL DATA

#### Specifications

##### Temperature

Measuring Ranges: Air Temperature: 32 to 122°F (0 to 50°C)  
Black Globe: 32 to 176°F (0 to 80°C)  
WBGT (Indoor): 59 to 138.2°F (15 to 59°C)

WBGT (Outdoor): 59 to 132.8°F (15 to 56°C)Ω  
Accuracy: Air Temperature: ±1.1°F (±0.6°C)  
Black Globe: ±0.6°C (20~50°C), other ±1°C  
WBGT (Indoor): ±2.7°F (±1.5°C)  
WBGT (Outdoor): ±3.6°F (±2°C)  
0.1°F/°C

Resolution:

##### Humidity

Measuring Ranges: 0 to 99.9% RH  
Accuracy (@ 25°C): 10% to 70% RH: ±3%  
Rest of Range: ±5%  
Resolution: 0.1% RH

##### Barometric Pressure

Measuring Range: 300-1100 hPa (inHg, mmHg switchable)  
Accuracy: ±1.5hPa  
Resolution: 1 hPa, 0.1 inHg, 0.1 mmHg

##### General Specifications

##### Dew Point/Wet Bulb

Calculation: Yes  
Response Time: 1 sec  
Display: LCD  
Backlight: Yes (non-condensing)  
Data Hold: Yes  
Min: Yes  
Max: Yes  
Average: Yes  
Internal Memory: Yes, up to 99 measurements  
Auto Shut-Off: Yes (after 15 mins/off)

##### User Adjustable

WBGT Alarm: Yes (audible)  
Tripod Mountable: Yes  
Low Battery Indicator: Yes  
Power Supply: 4 x AAA Batteries, Optional AC Adapter  
Product Certifications: CE, RoHS  
Operating Temp.: 32 to 122°F (0 to 50°C)  
Operating Humidity: <80% (non-condensing)  
Storage Temp.: -4 to 122°F (-20 to 50°C)  
Storage Humidity: <90% (non-condensing)  
Dimensions: Instrument: 6.4 x 2.3 x 1.3" (162 x 58 x 32 mm)  
Black Brass Ball Diameter: 2.0" (50 mm)

Weight:

4.8oz (136g)