

# REED INSTRUMENTS

## WBGT Heat Stress Meter

Model R6200



### TECHNICAL DATA

#### 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

#### 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)

Accuracy: Air Temperature: ±1.1°F (±0.6°C)  
 Black Globe: 68 to 122°F (20 to 50°C): ±1.1°F (±0.6°C)  
 Other: ±1.8°F (±1°C)  
 WBGT (Indoor): ±2.7°F (±1.5°C)  
 WBGT (Outdoor): ±3.6°F (±2°C)

Resolution: 0.1°F/°C

##### Humidity

Measuring Ranges: 5 to 95% RH  
 Accuracy (@ 25°C): 10 to 70% RH: ±3%  
 Rest of Range: ±5%  
 Resolution: 0.1% RH



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### TECHNICAL DATA

#### Barometric Pressure

Measuring Range: 300-1100 hPa (inHg, mmHg switchable)  
 Accuracy:  $\pm 1.5$ hPa  
 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" (50mm)  
 Weight: 4.8oz (136g)



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
R9450-ADP	International AC Adaptor for REED R9450
CA-05A	Soft Carrying Case, 10 x 4.3 x 1.7"
R6200-NIST	WBGT Heat Stress Meter & NIST