



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 (O to 50°C)

Black Globe: 32 to 176°F (O 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) 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

Accuracy:

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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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 (O 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
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