

TECHNICAL DATA



Features

- Measures ambient temperature, humidity, wet bulb temperature, black globe temperature, WBGT (wet bulb global temperature)
- Black Globe Temperature (TG) 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 3 measurements
- User selectable unit of measure (°F or °C)
- User adjustable WBGT threshold alarm (audible)
- Flexible armband and tripod mount for long-term monitoring
- Low battery indicator
- Includes flexible armband, fastener for armband with screws, keyring, carabiner, silicone elbow for anti-skid, screw for silicone elbow and battery

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: 32 to 122°F (0 to 50°C)

Accuracy:

Air Temperature:
±1.1°F (±0.6°C)
Black Globe: ±1.1°F (±0.6°C)
WBGT: ±3.6°F (±2.0°C)
0.1°F/°C

Resolution:

Humidity

Measuring Ranges:

5 to 90% RH

Accuracy (@ 25°C):

30 to 90% RH: ±5%
Rest of Range: ±7%

Resolution:

0.1% RH

General Specifications

Sampling Interval:

20 seconds

Display:

LCD

WBGT Alarm:

Yes (audible)

Tripod Mountable:

Yes

Low Battery Indicator:

Yes

Battery Life:

Approx. 500 hours

Power Supply:

CR2032 Battery

Product Certifications:

CE, RoHS

Operating Temperature:

32 to 122°F (0 to 50°C)

Operating Humidity:

<80% (non-condensing)

Storage Temperature:

32 to 140°F (0 to 60°C)

Storage Humidity:

<70% (non-condensing)

Maximum

Operating Altitude:

6561' (2000m)

Dimensions:

4.6 x 2.4 x 1.9"
(116 x 60 x 50mm)

Weight:

2.8oz (80g)

Model	Description
R6210	Heat Stress WBGT Meter
CA-05A	Medium Soft Carrying Case
R6210-NIST	Heat Stress WBGT Meter & NIST