

### 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)

Resolution: 0.1°F/°C

#### 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