

## HEAT STRESS METER

## TECHNICAL DATA

### FEATURES

- Wet Bulb Globe Temperature (WBGT) considers the effects of temperature, humidity and direct or radiant sunlight
- Heat Stress Index measures how hot it feels when humidity is combined with temperature, air movement and radiant heat
- 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
- View individual temperatures or indices in either °F or °C
- User adjustable WBGT threshold with audible alarm if threshold is exceeded
- RS232 output
- Tripod mount design for longterm monitoring

### SPECIFICATIONS

**Humidity Range:** 0 to 100% RH

**Accuracy:**  $\pm 3\%$  RH: 10 to 90% RH,  $\pm 5\%$  RH: r.o.r.

**Resolution:** 0.1% RH

**Air Temp. Range:** 0.0 to 50.0°C (32 to 122°F)

**Accuracy:**  $\pm 0.6^\circ\text{C}$  ( $\pm 1.1^\circ\text{F}$ )

**Black Globe Temp. Range:** 0.0 to 80.0°C  
(32 to 176°F)

**Accuracy:**  $\pm 1^\circ\text{C}$ : 15 to 40°C,  $\pm 1.5^\circ\text{C}$ : r.o.r. indoor;  
 $\pm 1.5^\circ\text{C}$ : 15 to 40°C,  $\pm 2^\circ\text{C}$ : r.o.r. outdoor

**WBGT Temp. Range:** 0.0 to 50.0°C (32 to 122°F)

**Resolution:** 0.1°C (0.1°F)

**Power Supply:** 2 x AAA batteries

**Dimensions:** 10 x 1.9 x 1.1" (254 x 49 x 30mm)

**Black Ball Dimensions:** 2.95 x 2.95" (75 x 75mm)



### ORDERING INFORMATION

8778..... Heat Stress Meter  
BS-6..... Tripod  
VZUSBAZM.....USB Cable & Software  
HR33.....33% Humidity Calibration Standard  
HR75.....75% Humidity Calibration Standard  
CERTITH2.....NIST Calibration Certificate  
8778-NIST ..... Heat Stress Meter & NIST