

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