

Data Logging Heat Stress Meter Model R6250SD



TECHNICAL DATA

Features

- Measures temperature, humidity, dew point, wet bulb, black globe, indoor/outdoor WBGT
- Wet Bulb Globe Temperature (WBGT) considers the effects of temperature, humidity and direct or radiant sunlight
- In/Out function displays the WBGT value with or without direct sun exposure
- Black Globe Temperature (TG) monitors the effects of direct solar radiation on an exposed surface
- Adjustable audible alarm
- User selectable unit of measure (°F or °C)
- Data hold and Max/Min functions
- · Real-time datalogger with integrated SD memory card
- User selectable sampling rate from 1 to 3600 seconds
- Easy-to-read backlit LCD display
- Tripod mount for long-term monitoring
- · Low battery indicator and auto shut off
- Includes soft carrying case & batteries

Specifications

Temperature

Measuring Ranges: Air: 32 to 122.0°F (O to 50.0°C) Dew Point: -13.5 to 120.1°F

(-25.3 to 48.9°C)

Wet Bulb: -6.9 to 122.0°F

(-21.6 to 50°C)

Black Globe: 32 to 176°F

(O to 80°C)

Indoor WBGT: 32 to 138°F

(O to 59°C)

Outdoor WBGT: 32 to 132°F

(O to 56°C)

Air: ±1.5°F (±0.8°C) Accuracy:

> Black Globe: ±1.1°F (±0.6°C) Indoor WBGT: ±2.7°F (±1.5°C) Outdoor WBGT: ±3.6°F (±2°C)

O.1°F/°C Resolution:

Humidity

Measuring Range: 5 to 95% RH

Accuracy: >70% RH: $\pm(3\%$ rdg + 1% RH)

<70% RH: ±3% RH

0.1% RH Resolution:







Continued...





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General Specifications

Indoor Formula: 0.7WB + 0.3TG

Indoor Range: 32 to 138°F (O to 59°C)

±2.7°F (±1.5°C) Indoor Accuracy:

Outdoor Formula: 0.7WB + 0.2TG + 0.1TA Outdoor Range: 32 to 132°F (O to 56°C)

Outdoor Accuracy: ±3.6°F (±2°C) Response Time: 1 second

Display: 4-digit dual LCD

Backlit Display: Yes Data Hold: Yes Min: Yes Max: Yes Datalogging Capabilities: Yes

Real-Time Clock and

Date Stamp: Yes

Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds) Selectable Sampling Rate:

Yes, expandable up to 16GB External Memory:

with SD card (optional)

SD Card Class Class 4 Compatibility:

Yes (after 10 minutes/off) Auto Shut-off:

Yes Kick Stand: Yes Tripod Mountable: Yes Low Battery Indicator:

6 x AA batteries or Power Supply: AC Adapter (optional)

Data Output: Yes (RS-232)

CE Product Certifications:

Operating Temperature: 32 to 122°F (O to 50°C) Storage Temperature: 14 to 140°F (-10 to 60°C)

Operating Humidity Range: 10 to 85%

Instrument: 7.0 x 2.7 x 1.8" Dimensions:

> (177 x 68 x 45mm) Black Brass Ball Diameter:

2.9" (75mm)

Weight: 1.1lb (515g)

R6250SD-KIT

Data Logging Heat Stress Meter with Power Adapter and SD Card

Includes:

R6250SD Data Logging Heat Stress Meter, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter



R6250SD-KIT2

Data Logging Heat Stress Meter with Tripod, SD Card and Power Adapter

Includes:

R6250SD Data Logging Heat Stress Meter, R1500 Tripod, RSD-16GB 16GB Micro SD Memory Card with adapter and RSD-ADP-NA AC Power Adapter



Model	Description
R6250SD	Data Logging Heat Stress Meter
R1500	Tripod
RSD-ADP-NA	Power Supply, 110V
RSD-ADP-EU	Power Supply, 220V
CA-05A	Soft Carrying Case
R8888	Hard Carrying Case
RSD-16GB	16GB Micro SD memory Card w/Adapter
R6250SD-KIT	Data Logging Heat Stress Meter with Power Adapter and SD Card
R6250SD-KIT2	Data Logging Heat Stress Meter with Tripod, SD Card and Power Adapter
R6250SD-NIST	Data Logging Heat Stress Meter with NIST