

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 (0 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 (0 to 80°C) |
| | Indoor WBGT: 32 to 138°F (0 to 59°C) |
| | Outdoor WBGT: 32 to 132°F (0 to 56°C) |

| | |
|-----------|------------------------------|
| Accuracy: | Air: ±1.5°F (±0.8°C) |
| | Black Globe: ±1.1°F (±0.6°C) |
| | Indoor WBGT: ±2.7°F (±1.5°C) |
| | Outdoor WBGT: ±3.6°F (±2°C) |
| | 0.1°F/°C |

Humidity

| | |
|------------------|----------------------------|
| Measuring Range: | 5 to 95% RH |
| Accuracy: | >70% RH: ±(3% rdg + 1% RH) |
| | <70% RH: ±3% RH |
| Resolution: | 0.1% RH |



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General Specifications

| | |
|---------------------------------|---|
| Indoor Formula: | 0.7WB + 0.3TG |
| Indoor Range: | 32 to 138°F (0 to 59°C) |
| Indoor Accuracy: | ±2.7°F (±1.5°C) |
| Outdoor Formula: | 0.7WB + 0.3TG + 0.1TA |
| Outdoor Range: | 32 to 132°F (0 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 |
| Selectable Sampling Rate: | Yes (1, 2, 5, 10, 30, 60, 120, 300, 600, 1800, 3600 seconds) |
| External Memory: | Yes, expandable up to 16GB with SD card (optional) |
| Auto Shut-off: | Yes (after 10 minutes/off) |
| Kick Stand: | Yes |
| Tripod Mountable: | Yes |
| Low Battery Indicator: | Yes |
| Power Supply: | 6 x AA batteries or AC Adapter (optional) |
| Data Output: | Yes (RS-232) |
| Product Certifications: | CE |
| Operating Temperature: | 32 to 122°F (0 to 50°C) |
| Storage Temperature: | 14 to 140°F (-10 to 60°C) |
| Operating Humidity Range: | 10 to 85% |
| Dimensions: | Instrument: 7.0 x 2.7 x 1.8" (177 x 68 x 45 mm) 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



R6250SD-KIT3

Data Logging Heat Stress Meter with Tripod Kit

Includes:
R6250SD Data Logging Heat Stress Meter, RSD-16GB 16GB Micro SD Memory Card with adapter, R1500 Tripod and 2590-8024REED Water Bottle



| 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 |
| SD-4GB | 4GB Class 4 SDHC Memory Card |
| 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-KIT3 | Data Logging Heat Stress Meter with Tripod Kit |
| R6250SD-NIST | Data Logging Heat Stress Meter with NIST |