



High Performance Monitoring

Getting Started in Heat Stress Management



Quick.

- Direct reading of Wet Bulb, Dry Bulb, Globe, WBGT_{in} and WBGT_{out} temperatures make identifying heat stress factors fast and easy

Reliable.

- Uses proven Wet Bulb Globe Temperature (WBGT) sensing technology; the standard for measuring the potential for heat stress
- Accurately calculates WBGT to help users establish work/rest ratios

Easy.

- Durable, lightweight and simple to use; made to withstand the rigors of the workplace

To learn more about 3M Detection Solutions products, see www.3M.com/Detection.

The power to protect your world.™



Intuitive Area Heat Stress Monitoring

Traditional Wet Bulb Globe Temperature sensing technology

- Proven method accurately measures and calculates Wet Bulb Globe Temperature (WBGT), an important heat stress parameter, to help determine if controls are needed.



Fast response

- Direct reading of Wet Bulb, Dry Bulb, Globe, WBGT_{in}, and WBGT_{out} temperatures.
- Provides intuitive access to important information without the need to enter time-consuming menu prompts.

Easy operation

- Quickly calculates WBGT
- Provides data to help establish appropriate work/rest ratios.

Specifications

| | |
|--|--|
| Measurements: | Globe, dry bulb, wet bulb, WBGT _i (WBGT indoor) and WBGT _o (WBGT outdoor); Temperatures given in Celsius or Fahrenheit |
| Languages: | English, French, Spanish, Italian, German |
| Housing: | Designed water resistant to a light rain or mist |
| Size: | Height 9.2in (23.5cm); Width 7.2in (18.3mm); Depth 3.0in (7.5mm), with mounted sensor assembly |
| Weight: | 2.6 lbs. (1.2 kg) with mounted sensor assembly |
| Sensors: | Temperature: 1000 ohm platinum RTD |
| Accuracy: | Temperature: +/- 0.9°F between 32°F to 212°F (+/-0.5°C between 0°C and 100°C) |
| Operating Temperature Range: | Sensor Assembly: 23°F to 212°F (-5°C to +100°C); Electronics: 23°F to 140°F (-5°C to 60°C) |
| Power Options: | 9V alkaline, 7.2V NiMH rechargeable pack (charged in the unit), or AC adapter wall power cube (AC adapter will power the unit or recharge the NiMH battery pack) |
| Battery Life: | 9V alkaline: 140 hours; Rechargeable Nickel Metal Hydride: 300 hours |
| Charge Time: (NiMH Battery Pack) | 16 hours (charge in the unit) |
| Safety Approvals and Special Conditions: | CE mark; compliance with EN 50014: 1997, and EN 50020: 2002 Environmental Safety Div. |



| Product No. | Description | 3M ID |
|-------------|----------------------------|----------------|
| WB-300 | WIBGET Heat Stress Monitor | 70-0716-0781-9 |



3M Detection Solutions: Brilliantly Intuitive

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▲ WARNING

This monitor helps to measure certain environmental factors that can contribute to heat stress. **Misuse may result in sickness or death.** For proper use, see supervisor or User Instructions.