



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.

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_i, and WBGT₀ 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 ₀ (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



Personal Safety Division

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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, or call 3M PSD Technical Service in the U.S.A. at 1 800 243 4630. In Canada, call 1 800 267 4414.