

REED INSTRUMENTS

WBGT Heat Stress Meter



Instruction Manual



REED Instruments

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Introduction

Thank you for purchasing your REED R6200 WBGT Heat Stress Meter. Please read the following instructions carefully before using your instrument. By following the steps outlined in this manual your meter will provide years of reliable service.

Product Quality

This product has been manufactured to meet stated product specifications. If a certificate of calibration is required please contact the nearest authorized REED distributor or authorized Service Center. Please note an additional fee for this service will apply.

Safety

Never attempt to repair or modify your instrument. Dismantling your product, other than for the purpose of replacing batteries, may cause damage that will not be covered under the manufacturer's warranty. Servicing should only be provided by an authorized service center.

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Features

- Measures ambient temperature, humidity, wet bulb temperature, black globe temperature, WBGT (wet bulb global temperature), heat stress index, dew point and pressure
- Heat Stress Index measures how hot it feels when humidity is combined with temperature, air movement and radiant heat
- Black Globe Temperature (GT) monitors the effects of direct solar radiation on an exposed surface
- In/Out function displays the WBGT value with or without direct sun exposure
- Multi-line backlit LCD display simultaneously displays 4 measurements
- Maximum, Minimum, Average and Data Hold functions
- Internal memory stores up to 99 measurements
- User selectable unit of measure (°F or °C)
- User adjustable WBGT threshold alarm (audible)
- Tripod mount for long-term monitoring
- Low battery indicator and auto shut off

Specifications

Temperature

Measuring Ranges:	Air Temperature: 32 to 122°F (0 to 50°C) Black Globe: 32 to 176°F (0 to 80°C) WBGT (Indoor): 59 to 138.2°F (15 to 59°C) WBGT (Outdoor): 59 to 132.8°F (15 to 56°C)
Accuracy:	Air Temperature: ±1.1°F (±0.6°C) Black Globe: 68-122°F (20-50°C): ±1.1°F (±0.6°C) Other: ±1.8°F (±1°C) WBGT (Indoor): ±2.7°F (±1.5°C) WBGT (Outdoor): ±3.6°F (±2°C)
Resolution:	0.1°F/°C
Humidity	
Measuring Ranges:	5 to 95% RH
Accuracy (@ 25°C):	10 to 70% RH: ±3% Rest of Range: ±5%
Resolution:	0.1% RH

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Barometric Pressure

Measuring Range:	300 to 1100hPa (inHg, mmHg switchable)
Accuracy:	±1.5hPa
Resolution:	1hPa, 0.1inHg, 0.1mmHg
General Specifications	
Dew Point/Wet Bulb Calculation:	Yes
Response Time:	1 sec
Display:	LCD
Backlight:	Yes (non-condensing)
Data Hold:	Yes
Min:	Yes
Max:	Yes
Average:	Yes
Internal Memory:	Yes, up to 99 measurements
Auto Shut-Off:	Yes (after 15 minutes/off)
User Adjustable	
WBGT Alarm:	Yes (audible)
Tripod Mountable:	Yes
Low Battery Indicator:	Yes
Power Supply:	4 x AAA Batteries, Optional AC Adapter
Product Certifications:	CE, RoHS
Operating Temperature:	32 to 122°F (0 to 50°C)
Operating Humidity:	<80% (non-condensing)
Storage Temperature:	-4 to 122°F (-20 to 50°C)
Storage Humidity:	<90% (non-condensing)
Dimensions:	Instrument: 6.4 x 2.3 x 1.3" (162 x 58 x 32mm) Black Brass Ball Diameter: 2.0" (50mm)
Weight:	4.8oz (136g)

Included

- Batteries

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