



AZ Instrument AZ87785 Handheld WBGT Heat Stress Meter with Wind Speed

SKU: AZ87785GY

Manufacture Warranty period: 12 months
Country of Origin: Taiwan

Introduction

The Wet Bulb Globe Temperature (WBGT) is a measure of the Heat Stress in direct sunlight, which takes into account : temperature, humidity, wind speed, sun angle and cloud cover (solar radiation). The measurement by WBGT Checker had been considered as a good element for monitoring the outdoor activities and Prevent people to get Heat Stroke. Military agencies, OSHA and many nations use the WBGT as a guide to managing workload in direct sunlight.

Features

- To check Indoor / Outdoor WBGT, TA/TG/Wind speed and humidity.
- Designed with capacitance type humidity sensor with dust filter to get accurate reading and extend sensor life time.
- Green/Yellow/Red 3 colour backlights as WBGT condition reminder.
- Easy-to-read big LCD display with 6 dust proof rubber keys.
- 360 o wind direction cup type anemometer to measure wind speed.
- 75mm black metal ball to measure globe temperature.
- Temperature / Wind speed unit selectable
- Hold function to freeze reading and Max/Min function included.
- Battery low indicator and Sleep mode can be disabled.
- Tripod receptable design for long time use.
- Audible beeper for danger zone warning.
- Built-in PC interface for real time downloading.



Specifications

Wind Speed	
Range:	0.5 ~ 10m/s
Accuracy:	+/- (2% of reading +0.2) m/s
Temperature	
Range:	0°C ~ 50°C
Accuracy:	0.1°C, 0.1°F
Resolution:	+/- 0.6°C
Humidity	
Range:	0.1% ~ 99.9%RH
Accuracy:	0.1%RH
Resolution:	+/-3%RH (at 25°C, 10~90%RH, others +/- 5%RH)
Globe Temperature	
Range (inside black ball):	0°C ~ 80°C
Accuracy indoor:	+/-1°C (at 15~40°C), others 1.5°C
Accuracy Outdoor:	+/-1.5°C (at 15~40°C), others 2°C
WBGT temperature	
Range:	0°C ~ 50°C

WBGT Alarm range	20°C ~ 50°C
Black ball size	Diameter 75mm, height 75mm
Stabilization time	15~25 minutes typical
RH% self-calibration	Yes
Battery life	~100 hours
LCD size	50(H) x 32(W)mm
Operating temperature	0°C ~ 50°C
Operating humidity	<80%RH
Storage temperature	-20°C to 50°C
Storage humidity	<90%RH
Battery	4 x AAA
Weight	about 350g
Meter size	310(H) x 91mm-diameter, (wind cup)

Package includes

1 x AZ87785 Meter
4 x AAA Batteries
1 x User Manual
1 x USB cable (1m)
1 x CD software
1 x Hard carry case

