



## AZ87785 Handheld WBGT Heat Stress Meter with Wind Speed



SKU: AZ87785GY

Manufacture warranty period: 12 months

Country of Origin: Taiwan

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 & Sleep mode can be disabled
- Tripod receptacle design for long time use
- Audible beeper for danger zone warning



## Specifications:

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

## Standard Package:

- Meter
- Batteries
- User Manual
- Hard carry case



Metric/  
Imperial



Low  
Battery



Auto  
Power Off



HOLD



MAX/  
MIN



LED  
Alarm



Buzzer  
Alarm



Tripod Hole



PC Link



Backlight

**WBGT  
indicator**

**87785**

*Green backlight*  
(26.7~29.4°C)



*Yellow backlight*  
(29.4~31°C)



*Red backlight*  
(31~32.2°C)



*Red flashing  
backlight*  
(Above 32.2°C)

