

# Economical Heat Stress (WBGT) Meter Model: AZ-8758



## Features :

- THE BLACK BALL THERMOMETER IS FOR MEASURING RADIANT TEMPERATURE WITH A 40MM DIA BLACK BALL
  - PROTECT SENSORS WITH A CLEAR SHEATH MOVING UP AND DOWN
  - EASY TO SELF-CALIBRATE RELATIVE HUMIDITY WITH 33%-75% SALT SOLUTION BY MOVING THE BLACK BALL AND CLEAR TUBE
  - GIVES A DIRECT MEASUREMENT OF THE AVERAGE RADIANT TEMPERATURE
  - TRIPOD RECEPTACLE DESIGN FOR LONG TIME TEMP MONITORING
  - Check both inside and outside heat indices
    - TG : Globe Temperature
    - TA : Air Temperature
    - DP :Dew Point Temperature.
  - WBGT: Wet Bulb Globe Temperature ( for checking the heat stroke indices)
  - Audible beeper warns reading exceeds alarm threshold of WBGT reading Alarm threshold setting is adjustable
  - Temperature unit is switchable
  - Battery low indicator shows power is weak
  - Built in RS232 interface for on line linking to a PC for further analysis
  - Auto power off or No-Sleep mode is selectable
- Formula:(Reference)  
Indoors / Outdoors and no sun  
 $WBGT = 0.7 \times WB + 0.3 \times TG$   
Outdoors and full sun  
 $WBGT=0.7 \times WB + 0.2 \times TG + 0.1 \times TA$

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## SPECIFICATION

Black ball size :	Dia. 40mm , Height 35mm
Air temperature :	0.0~ 50.0°C ( 32~ 122°F)
Air Temp. accuracy :	± 0.6 °C
Temp.(TG) range :	0.0~ 80.0°C ( 32~ 176°F)
Temp.(TG) accuracy :	± 2 °C( Indoor ) ± 3 °C( Outdoor )
WBGT Temp.range :	0.0~ 50°C ( 32~ 122°F)
RH% range :	0~100% RH
RH accuracy :	±3 %RH (0-90%RH) ±5% RH for other range
Resolution :	0.1°C , 0.1%RH
Response time :	15 seconds typical.
Meter size :	29.4 (H) x 48.7(W) x 254mm(L)
Packing :	
Meter, battery (AAAx2 pcs), operation manual, blister card	packing, built-in black ball
Optional accessory: :	Salt solution