

TM-288 HEAT STRESS WBGT Meter

As the Heat Index, the temperature increasingly rises.

The chance of heatstroke increases dramatically in the moist heat environment.

This product, measuring in WBGT, provides real-time alarm immediately so as to prevent heatstroke in such the environment.

Functions:

- In compliance with JIS B 7922 Level 2
- Three applications: arm band, tripod, and hanging.
- High-sensitive capacitive humidity sensor and bandgap temperature sensor.
- Measure the WBGT, black-globe temp. (TG), Air temp. (TA), humidity (%RH).



- Low voltage indicator
- °C or °F selectable.
- With the plastic black-globe of the diameter Ø40mm.
- Three-stage WBGT alarm selectable:

Unit	Measuring range	Alarm Default	Alarm User Flashing
Caution	>21~25°C	mute	As exceeding the setting value, beep for 15 seconds
Extreme caution	>25~28°C	Beep for 4 seconds	
Danger	>28°C~31°C	Beep for 15 seconds	
Extreme Danger	>31°C	Beep for 3 second and pause for 2 seconds, repeat until 15 seconds	

- mute (buzzer not displayed), cyclic setting.
- Outdoor or indoor (default is OUT) measurement mode selectable.
- Sampling interval: per 20 seconds
- Operating wind speed: 0.3 m/s or above.
- Operation temperature and humidity: 0°C to +50°C, <80%RH (No condensation)
- Storage temperature and humidity: 0°C to +60°C, <70%RH (No condensation)

Wet Bulb Globe Temperature (WBGT)

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Unit	Measuring range	Resolution	tolerance range 15~40°C
°C	0~50.0	0.1	±2.0
°F	32.0~122.0	0.1	±3.6

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Indoor & outdoor without sunshine "IN" :WBGT =
 $(0.7 \times WET) + (0.3 \times TG)$

Outdoor in
 sunshine "OUT" :WBGT= $(0.7 \times WET) + (0.2 \times TG) + (0.1 \times TA)$

Air temperature (TA)

Unit	Measuring range	Resolution	Tolerance @15~40°C
°C	0~50.0	0.1	±0.6
°F	32.0~122.0	0.1	±1.6

Black-globe temperature (TG)

Unit	Measuring range	Resolution	Tolerance @15~40°C
°C	0~80.0	0.1	±0.6
°F	32.0~176.0	0.1	±1.1

Humidity (%RH)

Unit	Measuring range	Resolution	Tolerance @25°C
%RH	30.0~90.0	0.1	±5.0%RH
%RH	<30.0 , >90.0	0.1	±7.0%RH

