



Tenmars TM-288 Personal Indoor/Outdoor Heat Stress WBGT Meter



SKU: TENTM288WH
Manufacture warranty period: 12 months
Country of Origin: Taiwan

As the Holy Infant, 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.

Please take note, this personal heat stress meter **Do Not Have Wet Bulb Reading** as specified by the Singapore Ministry of Manpower.

Product 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
- Outdoor or indoor (default is OUT) measurement mode selectable.





Specifications

- **Wet bulb globe temperature (WBGT)**

Unit	Measuring range	Alarm Default	Alarm User Flashing Alarm
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	

- **Wet bulb globe temperature (WBGT)**
 - Measuring range: 0~50.0°C / 32.0~122.0°F
 - Resolution: 0.1°C / 0.1°F
 - Tolerance @ 15~40°C: ±2.0°C / ±3.6°F
 - Indoor & outdoor without sunshine "IN":
WBGT=(0.7×WET) + (0.3×TG)
 - Outdoor in sunshine "OUT": WBGT=(0.7×WET) + (0.2×TG) + (0.1×TA)
- **Air temperature (TA):**
 - Range: 0~50.0°C / 32.0~122.0°F
 - Resolution: 0.1°C / 0.1°F
 - Tolerance @ 15~40°C: ±0.6°C / ±1.6°F

- **Black globe temperature (TG):**
 - Range: 0~80.0°C / 32.0~176.0°F
 - Resolution: 0.1°C / 0.1°F
 - Accuracy @ 15~40°C: ±0.6°C / ±1.1°F
- **Relative Humidity (%RH):**
 - Range: 0%~99.9%
 - Resolution: 0.1%
 - Accuracy: ±5.0%RH(30~90%) / ±7.0%RH(<30%, >90.0%)
- Dimension: 116 x 60 x 50mm (L x W x H)
- Weight: 80g
- Power supply: 3V CR2032 battery x 1
- Battery life: about 500 hours (alarm not provided)
- 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)

Package included:

- 1 x TM-288 Meter
- 1 x User's manual
- 1 x CR2032 3V Battery
- 1 x Flexible armband
- 1 x Carabiner kit for handling
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Package Dimension:

- Size: 17 x 13 x 7 cm
- Weight: 0.3 KG