



## Tenmars TM-188 Heat Stress WBGT Meter with Dew Point (DEW) & Wet Bulb (WET)



SKU: TENTM188WH  
Manufacture warranty period: 12 months  
Country of Origin: Taiwan

The HEAT STRESS WBGT METER is quick-response with accurate measurement for the effects of temperature, humidity, and direct or radiant sunlight.

This instrument is ideal for the athletic trainers, military, occupational (Industrial) hygienists, outdoor worker and the sports medicine specialists; and it's designed according to the regulations mentioned below.

**In order to measure the WBGT index, you should refer to the following regulations:**

**ISO7243:** Hot environments. Estimation of the heat stress on working man.

**ISO7726:** Ergonomics of the thermal environment-instruments for measuring physical quantities.

### Product Description

- Quick-response capacitance sensor, accurate measurement for wet bulb globe temperature(WBGT), black globe temperature(TG), humidity(%RH), air temperature(TA), wet bulb(WET) and dew point(DEW).
- Max/Min and data hold.
- Low battery indication.
- LCD display with LED backlight.
- Single data record (50)
- Viewing data records.
- Switch the temperature unit to °C or °F.
- Brass black ball in 50mm diameter.
- WBGT alarm setting.
- Auto power off with disable function.



## Specifications:

<b>Wet Bulb Globe Temperature (WBGT)</b>		
- Indoor & Outdoor without sunlight		
*WBGT = (0.7 x WET) + (0.3 X TG)		
<b>Range</b>	<b>Accuracy</b>	<b>Resolution</b>
0~59°C	±1.0 @ 15~40°C	0.1
<b>Wet Bulb Globe Temperature (WBGT)</b>		
- Outdoor with sunlight		
*WBGT = (0.7 x WET) + (0.2 X TG) +(0.1 xTA)		
<b>Range</b>	<b>Accuracy</b>	<b>Resolution</b>
0~56°C	±1.5 @ 15~40°C	0.1
<b>Air Temperature (TA)</b>		
<b>Range</b>	<b>Accuracy</b>	<b>Resolution</b>
0~50°C	±0.8 @ 15~40°C	0.1
<b>Black Globe Temperature (TG)</b>		
<b>Range</b>	<b>Accuracy</b>	<b>Resolution</b>
0~80°C	±0.6 @ 15~40°C	0.1
<b>Relative Humidity (%RH)</b>		
<b>Range</b>	<b>Accuracy</b>	<b>Resolution</b>
1 ~ 99%RH	±3.0%RH (20~80%)	0.1
	±5.0%RH(<20%, >80%)	
<b>Dew Point Temperature (DEW)</b>		
<b>Range</b>	<b>Accuracy</b>	<b>Resolution</b>
-35.3~48.9°C	The value is calculated from the RH and Air Temperature	0.1
<b>Wet Bulb Temperature (WET)</b>		
<b>Range</b>	<b>Accuracy</b>	<b>Resolution</b>
-21.6~50.0°C	The value is calculated from the RH and Air Temperature	0.1



### Others specification:

- Dimension: 300 x 70 x 50mm (L x W x H)
- Weight: 220g. (Without batteries).
- Power supply: 9V battery
- Battery life: 200 hours.
- Operating Temperature & Humidity: 0°C to +50°C.
- Storage temperature & humidity: -10°C to +50°C .
- LCD: 52mm(W)x36mm(L)
- Monochrome LCD and backlight.

### Package included:

- 1 x TM-188 Meter
- 1 x User's manual
- 1 x 9V battery
- 1 x Hard Carrying case

### Package Dimension:

- Size: 38 x 23 x 13 cm
- Weight: 1.6 KG

