

Wearable WBGT& Heat Index Checker 87783/87784

- ■Simultaneously display WBGT, HI, temperature & RH
- ■For outdoor & indoor heat stress measuring
- ■Programmable buzzer and red LED danger zone warning
- ■Audible alarm volume adjustable (75dB / 60dB / mute)
- ■4 level dangerous level indicator on LCD
- ■Wearable design with arm strap included
- ■Display updates every 20 seconds
- ■Functions
  - 87784: WBGT+HI 2 in 1
  - 87783: WBGT only



Metric/ Imperial | Low Battery | LED Alarm | Buzzer Alarm | Tripod Hole



What is Heat Index?

Heat index (HI) is sometimes referred to as the "apparent Temperature". The HI is a measure of how hot it feels when relative humidity (RH) is added to the actual air temperature.

What is WBGT?

The Wet Bulb Globe Temp. (WBGT) is a composite temperature used to estimate the effect of temperature, humidity, wind speed and solar radiation on humans.
It is used by industrial hygienists, athletes, and the military to determine appropriate exposure levels to high temperatures.

WBGT &Physical exercise

WBGT	Flag	Activity Intensity
< 80°F < 26.7°C	White	Normal activity. Caution should be taken.
80-84.9°F 26.7-29.4°C	Green	Discretion is required in planning intense physical activity.
85-87.9°F 29.4-31°C	Yellow	Intense activity for new and acclimatized persons should be curtailed.
88-89.9°F 31-32.2°C	Red	Intense exercise must b e curtailed for those with less than 12 weeks training in hot weather. Be on high alert
> 90°F > 32.2°C	Black	Cancel all outdoor exercise.

Source: Manual of Naval Preventive Medicine (NAVMED P-5010)

Model	87783	87784
Temp. range	0~50°C	
Temp. resolution	0.1°C/°F	
Temp. accuracy	+/-0.6°C	
Humidity. range	0.1%~99.9%RH	
Humidity resolution	0.1%RH	
Humidity accuracy	10.0%~90.0% @ 25°C:Typical 5%. Others 7%	
Globe Temp.(inside black ball)	0~70°C	
WBGT temp. range	0~50°C	0~50°C
HI temp. range		0~60°C
WBGT Alarm Range	20~50°C	20~50°C
HI Alarm Range		20~60°C
Black ball size(mm)	Dia. 40	
Stabilization time	15 ~25 minutes typical	
Battery life	~300hour	
LCD size (mm)	40(H)x39(W)	
Operation temp.	0~50°C	
Operation RH%	Humidity < 80%	
Storage temp.	-20~50°C	
Storage RH%	Humidity < 90%	
Dimension(mm)	70(H)x60(W)x22(T)	
Weight	~90g	
Standard Package	AAA x2pcs	
Battery	Meter/Battery/Manual/Paper box	

Ordering Code

VZ87783AZ, 87783 meter
VZ87784AZ, 87784 meter

***Available for EB project**



