

HEAT STROKE PREVENTION METER



Handheld WBGT Checker 8758/8778

- Check Indoor/Outdoor WBGT, TA/TG and humidity
- Check dangerous heat conditions through WBGT
- Programmable audible beeper for danger zone warning
- Designed with capacitance type humidity sensor with clear sheath to protect sensor during storage
- Built-in PC interface for real time download
- Humidity self-calibration via salt bottles kit



Metric/
Imperial



Low
Battery



Auto
Power Off



HOLD



Buzzer
Alarm



Tripod Hole



PC Link



WBGT Formula

Indoors / Outdoors and no sun

$$WBGT = 0.7 \times WB + 0.3 \times TG$$

Outdoors and full sun

$$WBGT = 0.7 \times WB + 0.2 \times TG + 0.1 \times T_A$$

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 be 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 (NAVMEP P-5010)

Ordering Code

VZ8778AZ, 8778 meter

VZ8758AZ, 8758 meter

VZHR33AZ+VZHR75AZ, salt bottles

VZUSBAZM, software kit

*Available for EB project

Model	8758	8778
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	+/-3%RH (at 25°C, 10~90%RH, others +/-5%RH)	
Globe Temp. (inside black ball)	0~80°C	
Globe Temp. Acc.	Indoor: +/-2°C (at 15~40°C), others 2.5°C outdoor: +/-3°C (at 15~40°C), others 3.5°C	+/-1°C (at 15~40°C), others 1.5°C +/-1.5°C (at 15~40°C), others 2°C
WBGT temp. range	0~50°C	
Black ball size (mm)	Dia. 40, height: 35	Dia. 75, height: 75
Stabilization time	15 ~25 minutes typical	
RH% Self calibration	YES	
Battery life	>250hour	
LCD size (mm)	28(H)x33(W)	
Operation temp.	0~50°C	
Operation RH%	Humidity < 80%	
Storage temp.	-20~50°C	
Storage RH%	Humidity < 90%	
Dimension (mm)	254x48.7x30.9(H)	278.2x75x75(H)
Weight	~120g	~140g
Battery	AAA x2pcs	
Standard Package	Meter/Battery/Manual/Paper box	
Optional	Software Kit /RH calibration kit	

Optional



CAL. SALT BOTTLE
P/N: VZHR33AZ (33%)
P/N: VZHR75AZ (75%)
For 8758/8778 calibration



USB cable & software
P/N: VZUSBAZM