NEW

Buzzer

87785

Wind speed value makes your WBGT more close to real climate thermo impact!

Buzzer

Pull up to protect sensor Design patent pending
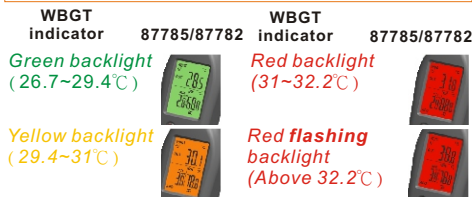
87782

Professional WBGT Monitor 87782/87785

■ Check Indoor/Outdoor WBGT, TA/TG/RH & wind speed
■ Designed with capacitance type humidity sensor with dust filter to get accurate reading and extend sensor life time
■ Model 87785 is equipped with cup type anemometer to measure wind speed from all direction
■ Audible beeper and backlight for danger zone warning

Metric/ Imperial	Low Battery	Auto Power Off	HOLD	MAX/MIN
LED Alarm	Buzzer Alarm	Tripod Hole	PC Link	Backlight

WBGT indicator 87785/87782

Green backlight (26.7~29.4℃)

Red backlight (31~32.2℃)

WBGT indicator 87785/87782

Yellow backlight (29.4~31℃)

Red flashing backlight (Above 32.2℃)

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 (NAVMED P-5010)

Ordering Code
VZ87782AZ, 87782 meter
VZ87785AZ, 87785 meter
VZ87781ST2, salt bottles
VZUSBAZM, software kit

Model	87785	87782
Windspeed range	0.5~10 m/s	
Windspeed Acc.	+/-(2% of reading +0.2) m/s	
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: outdoor:	+/-1 °C(at 15~40°C),others1. 5 °C +/-1.5 °C(at 15~40°C),others 2 °C	
WBGT temp. range	0~50°C	
WBGT Alarm Range	20~50°C	
Black ball size(mm)	Dia. 75, height:75	
Stabilization time	15 ~25 minutes typical	
RH% Self calibration	YES	
Battery life	~100hour	
LCD size (mm)	50(H)x32(W)	
Operation temp.	0~50°C	
Operation RH%	Humidity < 80%	
Storage temp.	-20~50°C	
Storage RH%	Humidity < 90%	
Dimension(mm)	310(H)x91(diameter, windcup)	302(H)x75(W)x36.7(T)
Weight	~350g	~300g
Battery	AAA x4pcs	
Standard Package	Meter/Battery/Manual/Hard carry case (87785) or paper box (87782)	

Optional

CAL. SALT BOTTLE
P/N:VZ87781ST2
(33% & 75%)
For 87782/87785
Calibration .

USB cable & software
P/N: VZUSBAZM

RS232

2019.08 V3