

Desktop SD Card Logger



NEW



Japan & Taiwan
Patent Pending!

Desktop WBGT SD Card Logger 87797

- ▲ Simultaneously displays temperature and humidity
- ▲ Advanced SD card logging design for continuous recording
- ▲ Easy-to-read super big LCD display
- ▲ Check dangerous heat conditions through WBGT index
- ▲ Programmable danger zone for warning purpose
- ▲ Designed with capacitance type humidity sensor to get accurate and quick reading
- ▲ Temperature unit °C/°F switchable
- ▲ Max/min function to review data
- ▲ Battery low indicator
- ▲ Real time display (hour & minute, am/pm)
- ▲ Desktop and wall mount for long time monitoring
- ▲ Audible beeper and bright red LED for danger zone warning
- ▲ Long battery life (via alkaline battery)
 - no logging: one year
 - logging: one month (sampling rate: 1min, 1G SD card)

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 unacclimatized 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)

Model	87797
Temp. range	0~50°C (Display: -10.0~70.0°C)
Temp. resolution	0.1°C/°F
Temp. accuracy	+/-1°C
Humidity. range	20~90%RH (Display: 0%~99.9%RH)
Humidity resolution	0.1%RH
Humidity accuracy	+/-5%RH (at 25°C, 10~90%RH, others +/-7%RH)
WBGT temp. range	0~60.0°C
SD card	Max. 2GB SD card or 4GB SDHC card (MMC and SDXC cards are not compatible)
Sampling rate	1 to 720 mins. Default: 10 mins
Beeper (dB)	~65dB
RH% Self calibration	YES, via salt chamber
Power consumption	<0.4mA
LCD size (mm)	63(H)x70(W)
Operation temp.	0~50°C
Operation RH%	Humidity < 90%
Storage temp.	-10~50°C
Storage RH%	Humidity < 90%
Dimension(mm)	110x91x30(H)
Weight	~200g
Power	AA x3pcs or 5V adaptor
Standard Package	Meter/adaptor/Manual/Paper box/256MB SD card