HW100 Thermo-hygrometer

ITEM NO.:HB6801   **Packing Box**

HW100 temperature humidity meter is a portable temperature humidity test instrument.,selecting high performance capacitor type polymer film humidity sensor and semiconductor type temperature sensor.It has features of volume small, weight light, easy carrying, multifunction, and high precision,etc., applies to various fields such as hot comfortable research, indoor air quality assessment, verification of HVAC system run situation in building, heating and refrigeration system overhaul, and detection of the air conditioning system during the production process and so on.

Main features

1. Real-time display of each parameter;
2. High-precision, high-resolution, high stability;
3. Dot-matrix LCD display, white backlit screen;
4. Two kinds of units (℃, ℉) can freely change,automatic memory after shutdown;
5. Three temperatures :wet bulb temperature, dew point temperature, dry bulb temperature freedom to switch between,automatic memory after shutdown;
6. Read out the sampling time,temperature and humidity values, maximum, minimum by graph and table the two ways at the same time show;
7. Record shortest sample interval to 2 seconds, you can set the sampling interval by seconds, minutes or hours freely.
8. Store 99 groups of data, and manually calculate the average, maximum and minimum of the datas;
9. Automatic power off function(10 minutes no operation);
10. Data manually save and recall;
11. With a memory device, can continuously record datas;
12. USB connected charging.

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Specification

MODEL	HW100
Temperature range	-40~125℃（-40~257℉）
Precision	10~50℃:±0.2℃; -40~125℃:±0.4℃ （50~131℉:±0.4℉; -40~257℉:±0.8℉）
Resolution ratio	0.1℃/0.2℉
Type of temperature sensor	semiconductor
Relative humidity range	0~99.9%RH（Relative humidity）
Precision	±2.0%RH（10~90%RH）@25℃（77℉）;±3.0%RH(<10,>90%RH)@25℃（77℉）
Resolution ratio	0.1%RH
Response time	max 30S
Sensor lag	±0.3%RH
Drift	<0.5%RH/YEAR
Type of temperature sensor	Electronic capacitive polymer film
Temperature bulb temperature range	-20~60℃（-4~140℉）
Dew point temperature range	-50~60℃（-58~140℉）
Memory	99 groups of data
Power	1 pc built-in lithium battery
Battery life	400 hour
Storage environment	Loudness humidity RH<80%,-20~60℃(Take out the battery)
Working temperature	-20~60℃
Working humidity	0~55℃
Weight/size	190g(with battery）138x65x25mm