HW200 Temperature and humidity recorder

ITEM NO.:HW200

PACKING BOX

This instrument 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., and is widely used in food and drug safety, scientific research, medical production, HVAC, refrigerated storage & transportation, meteorology & hydrology, paper industry, environment, archives, laboratories, museums, electricity, tobacco and other fields.

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
7. Record shortest sample interval to 2 seconds, you can set the sampling interval by seconds, minutes or hours freely.
8. Store 8000 groups of data, and manually calculate the average, max and min 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, rechargeable, communicated;
13. Unique sensor design, measurement is more precise.

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MODEL	HW200
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	8000 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