HUMIDITY/TEMP. METER

Model: HT-3007SD *ISO-9001, CE, IEC1010*











The Art of Measurement

SD Card real time data logger HUMIDITY/TEMP. METER, + type K/J Temp. Model: HT-3007SD

FEATURES

	EXTOREO
*	Humidity/Temp., Dew point (Humidity), Wet bulb
	(Humidity), Type K/J thermometer, 4 kinds
	measurement are combined into one meter, intelligent
	and professional.
*	Type K, Type J thermocouple thermometer.
*	Fast humidity measuring response time.
*	Real time SD memory card Datalogger, it Built-in Clock
	and Calendar, real time data recorder, sampling time set
	from 1 second to 3600 seconds.
*	Manual datalogger is available (set the sampling
	time to 0), during execute the manual datalogger
	function, it can set the different position (location) No.
	(position 1 to position 99).
*	Innovation and easy operation, computer is not
	need to setup extra software, after execute
	datalogger, just take away the SD card from the
	meter and plug in the SD card into the computer,
	it can down load the all the measured value with
	the time information (year/month/date/
	hour/minute/second) to the Excel directly, then
	user can make the further data or graphic
L	analysis by themselves.
*	SD card capacity: 1 GB to 16 GB.
*	LCD with green light backlight, easy reading.
*	Can default auto power off or manual power off.
*	Data hold, record max. and min. reading.
*	Microcomputer circuit, high accuracy.
*	Power by UM3/AA (1.5 V) x 6 batteries or DC 9V adapter.
*	RS232/USB PC COMPUTER interface.
*	Separate probe, easy for operation of different
	measurement environment.

					ONS

GENERAL SPEC	IFICATIO	IND		
Circuit		Custom one-chip of microprocessor LSI		
D: 1	circuit.			
Display	LCD size : 52 mm x 38 mm			
	LCD with green backlight (ON/OFF).			
Measurement	Humidity/Temp. : %RH/℃ or °F.			
Unit	Dew poin	t (Humidity) : ℃ or ℉.		
	Wet bulb (Humidity) : °C or °F.			
	Type K/J	thermometer: °C or °F.		
Datalogger	Auto	1 second to 3600 seconds		
Sampling Time		@ Sampling time can set to 1 second,		
Setting range		but memory data may loss.		
	Manual	Push the data logger button		
		once will save data one time.		
		@ Set the sampling time to		
		0 second.		
		@ Manual mode, can also select the		
		1 to 99 position (Location) no.		
Memory Card	SD memo	ory card. 1 G to 16 G.		
Advanced		k time (Year/Month/Date,		
setting		nute/ Second)		
Setting		*		
	* Decimal point of SD card setting * Auto power OFF management			
		Sound ON/OFF		
	* Set thermometer type to Type K or Type J * Set temperature unit to °C or °F * Set sampling time			
_	* SD memory card Format			
Temperature	Automatic temp. compensation for the			
Compensation	,	function and the type K/J		
	thermom			
Data Hold		e display reading.		
Memory Recall		n & Minimum value.		
Sampling Time	Approx. 1	second.		
of Display				
Data Output RS 232/USB PC computer interface. * Connect the optional RS232 cable UPCB-02 will get the RS232 plug.		SB PC computer interface.		
		t the optional RS232 cable		
		12 will get the RS232 plug.		
	* Connect the optional USB cable			
	USB-01 will get the USB plug.			
Operating				
Temperature				
Operating	Less than 85% R.H.			
Humidity				
	1			

D 0 1	+ All II			
Power Supply	* Alkaline or heavy duty DC 1.5 V battery			
	(UM3, AA) x 6 PCs, or equivalent.			
	*.DC 9V adapter input. (AC/DC power			
	adapter is optional).			
Power Current	Normal operation (w/o SD card save			
	data and LCD Backlight is OFF):			
	Approx. DC 3.5 mA.			
	When SD card save the data but and			
	LCD Backlight is OFF):			
	Approx. DC 28 mA.			
	* If LCD backlight on, the power			
	consumption will increase approx.			
	12 mA.			
Weight	489 g/1.08 LB.			
Dimension	177 x 68 x 45 mm			
	(7.0 x 2.7x 1.9 inch)			
Accessories	* Instruction manual1 PC			
Included	* Humidity/Temp. probe1 PC			
	* Soft carrying case (CA-05)1 PC			
Optional	SD Card (1 GB)			
Accessories	SD Card (2 GB)			
	Type K thermocouple probe.			
	AC to DC 9V adapter.			
	USB cable, USB-01.			
	RS232 cable, UPCB-02.			
	Data Acquisition software, SW-U801-WIN.			
	Data rioquisition continuity ov ood with.			

ELECTRICAL SPECIFICATIONS (23±5°C)

Humidity/ Temperature

	ь	E 0/ 1 OF 0/ D II		
	Range	5 % to 95 % R.H.		
Humidity	Resolution	0.1 % R.H.		
	Accuracy	≧70% RH :		
		± (3% reading + 1% RH).		
		< 70% RH :		
		± 3% RH.		
	Range	0 ℃ to 50 ℃,32 °F to 122 °F.		
Temperature	Resolution	0.1 degree		
	Accuracy	°C ± 0.8 °C.		
		°F ± 1.5 °F.		

Dew Point (Humidity)

$^{\circ}\mathbb{C}$	Range	-25.3 ℃ to 48.9 ℃
	Resolution	0.1 ℃
°F	Range	-13.5 °F to 120.1 °F.
	Resolution	0.1 °F.

Remark :

- * Dew Point display value is calculated from the
- Humidity/Temp. measurement automatically.
- * The Dew Point accuracy is sum accuracy value of Humidity & Temperature measurement..

Wet bulb (Humidity)

°C	Range	-21.6 °C to 50.0 °C
	Resolution	0.1 ℃
°F	Range	-6.9 °F to 122.0 °F.
	Resolution	0.1 °F.

Remark .

- * Wet bulb display value is calculated from the Humidity/Temp. measurement automatically.
- * The Dew Point accuracy is sum accuracy value of Humidity & Temperature measurement..

Type K/J thermometer

Sensor	Resolution	Range	Accuracy
Туре			
Type K	0.1 ℃	-50.0 to 1300.0 ℃	± (0.4 % + 0.5 °C)
		-50.1 to -100.0 ℃	± (0.4 % + 1 °C)
	0.1 °F	-58.0 to 2372.0 °F	± (0.4 % + 1 °F)
		-58.1 to -148.0 °F	± (0.4 % + 1.8 °F)
Type J	0.1 ℃	-50.0 to 1200.0 ℃	± (0.4 % + 0.5 °C)
		-50.1 to -100.0 ℃	± (0.4 % + 1 °C)
	0.1 °F	-58.0 to 2192.0 °F	± (0.4 % + 1 °F)
		-58 1 to -148 0 °F	+ (04% + 18°F)

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^{*} Appearance and specifications listed in this brochure are subject to change without notice.