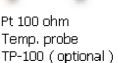
SD card real time data logger Two channels for Pt 100 ohm input + type K, J, R, E, T, S

PRECISION 0.01 degree THERMOMETER









SD Card real time recorder Two channels for PT 100 ohm input

PRECISION 0.01 degree THERMOMETER

Model: OW-9017SD

* Type K/J/T/E/R/S, Pt 100 ohm, measurement .
* Type K : -100 to 1300 °C.
* Type J : -100 to 1200 °C.
* Pt 100 ohm : -199.99 to 850.00 °C.
* °C/°F, 0.01 degree / 0.1 degree / 1 degree.
* 2 channels (Pt 1, Pt 2, Pt 1- Pt 2), 1 channels
Thermocouple Type K or J/T/R/E/S.
* Microcomputer circuit provides intelligent function and high
accuracy.
* Offset adjustment for the Type K/J/T/E/R/S measurement.
* Offset adjustment for the Pt 100 measurement.
* Measuring unit can select to °C or °F.
* 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 second), 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, thenuser can
make the further data or graphic 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.
* Heavy duty & compact housing case.
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General	Spec	ifica	ations

contract of the contract of th				
Circuit	Custom of circuit.	one-chip of microprocessor LSI		
Dil		. 52 20		
Display		: 52 mm x 38 mm		
	LCD with	green backlight (ON/OFF).		
Channels		Pt1, Pt2, Pt1- Pt2, Thermocouple Type .		
Sensor type		hermocouple probe.		
		/E/R/S thermocouple probe.		
	Pt 100 ol	hm probe		
	* Coope	rate with an 0.00385 alpha		
	coeffic	cient, meet DIN IEC 751.		
Resolution	0.01°C/0	.1°C/1°C, 0.01°F/ 0.1°F/1 °F.		
Datalogger	Auto	1 second to 3600 seconds		
Sampling Time	1	@Sampling time can set to 1 second,		
Setting range		but memory data may loss.		
Setting range	Manual	Push the data logger button		
	Mariudi	55		
		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 mem	ory card. 1 GB to 16 GB.		
Advanced	* Set clo	ck time (Year/Month/Date,		
setting		Minute/ Second)		
5649		mpling time		
		ower OFF management		
	* Set beep Sound ON/OFF			
	* Decimal point of SD card setting			
	*SD memory card Format			
	*Set temperature unit to °C or °F			
		ermocouple type to K/J/R/E/T/S.		
Temperature	Automatic temp. compensation for the			
Compensation		T/E/R/S thermometer.		
Linear	Linear Co	Linear Compensation for the full range.		
Compensation				
Offset		Available for Type K/J/T/E/R/S and		
Adjustment		Pt 100 ohm.		
Probe Input		Type K/J/T/E/R/S: 2 pin thermocouple socket.		
Socket	Pt 100 ohm: 4 DIN socket.			
Over Indication	Show ""			
Over mulcation	ion Show "".			
Data Hold	Freeze the display reading.			
	Data Hold Heeze the display reading.			
Memory Recall Maximum & Minimum value.		a & Minimum valuo		
Memory Recall	emory recall Maximum & Minimum value.			
1	1			

Sampling Time of Display	Approx. 1 second.		
Data Output	RS 232/USB PC computer interface.		
·	* Connect the optional RS232 cable		
	UPCB-02 will get the RS232 plug.		
	* Connect the optional USB cable		
	USB-01 will get the USB plug.		
Power off	Auto shut off saves battery life or		
	manual off by push button.		
Operating Temperature	0 to 50 °C.		
Operating	Less than 85% R.H.		
Humidity			
Power Supply	* Batterise : (UM3, AA) X 6 PCs,		
	or equivalent.		
	*AC/DC power adapter is optional.		
	adapter is optional).		
Power Current	Normal operation (w/o SD card save		
	data and LCD Backlight is OFF):		
	Approx. DC 8.5 mA.		
	When SD card save the data but and		
	LCD Backlight is OFF) :		
	Approx. DC 30 mA.		
	* AC/DC power adapter is optional.		
	consumption will increase approx.		
	14 mA.		
Weight	278 g/0.61 LB (meter only).		
Dimension	177 x 68 x 45 mm		
	(7.0 x 2.7x 1.9 inch)		
Accessories	* Instruction manual1 PC		
Included	* T 1/ the annual annual annual a		
Optional	* Type K thermocouple probe.		
Accessories	TP-01, TP-02A. TP-03, TP-04, TP-05.		
	* Pt 100 ohm probe, TP-100.		
	* SD Card (4 GB)		
	* USB cable, USB-01.		
	* RS232 cable, UPCB-02.		
	* Data Acquisition software,		
	SW-U801-WIN., SW-E802.		
	* AC to DC 9V adapter.		
	* Hard carrying case, CA-06.* Soft carrying case, CA-05A.		

Electrical Specifications

PT 100 ohm

Resolution	Range	Accuracy
0.01 °C	-199.99 to 199.99 °C	± (0.1 % + 0.2 °C)
	200.0 to 850.0 °C	
0.01 °F	-199.99 to 392.00 °F	± (0.1 % + 0.4 °F)
392.0 to 1562.0 °F		
* The accuracy is specified for the meter only. * Pt 100 ohm probe TP-100 is the optional accessory.		

Type K/J/T/E/R/S

Sensor Type	Resolution	Range	Accuracy	
Type K	0.1 °C	-50.1 to -100.0 °C -50.0 to 1300.0 °C	± (0.4 % + 1 °C) ± (0.4 % + 0.5 °C)	
	0.1 °F	-58.1 to -148.0 °F -58.0 to 2372.0°F	± (0.4 % + 1.8 °F) ± (0.4 % + 1 °F)	
Type J	0.1 ℃	-50.1 to -100.0 °C -50.0 to 1200.0°C	± (0.4 % + 1 °C) ± (0.4 % + 0.5 °C)	
	0.1 °F	-58.1 to -148.0 °F -58.0 to 2192.0 °F	± (0.4 % + 1.8 °F) ± (0.4 % + 1 °F)	
Type T	0.1 °C	-50.1 to -100.0 °C -50.0 to 400.0 °C	± (0.4 % + 1 °C) ± (0.4 % + 0.5 °C)	
	0.1 °F	-58.1 to -148.0 °F -58.0 to 752.0 °F	± (0.4 % + 1.8 °F) ± (0.4 % + 1 °F)	
Type E	0.1 °C	-50.1 to -100.0 °C -50.0 to 900.0 °C	± (0.4 % + 1 °C) ± (0.4 % + 0.5 °C)	
	0.1 °F	-58.1 to -148.0 °F -58.0 to 999.9 °F	± (0.4 % + 1.8 °F) ± (0.4 % + 1 °F)	
	1 °F	1000 to 1652 °F	± (0.4 % + 2 °F)	
Type R	1 ℃ 1 ℉	0 to 1700 °C 32 to 3092 °F	± (0.5 % + 3 °C) ± (0.5 % + 5 °F)	
Type S	1 °C 1 °F	0 to 1500 °C 32 to 2732 °F	± (0.5 % + 3 °C) ± (0.5 % + 5 °F)	
The accuracy is specified for the meter only. Thermocouple probe is the optional accessory.				

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