

Model: TM-947SD

K/J/E/T/R/S TYPES THERMOMETER

4 CHANNEL DATA LOGGER + SD CARD



FEATURE

- ✓ Type K/J/T/E/R/S, PT100 ohm, measurement with 4 display
- ✓ Show 4 channels Display
- ✓ Type K : -100 to 1300 deg C
- ✓ Type J: -100 to 1200 deg C
- ✓ PT100 ohm: -199.9 to 850.0 deg C
- ✓ °C/°F, 0.1 degree / 1 degree
- ✓ 4 channels (T1, T2, T3, T4), T1-T2.
- ✓ Microcomputer circuit provides intelligent function and high accuracy
- ✓ Offset adjustment for the Type K/J/T/E/R/S measurement.
- ✓ Offset adjustment for the Pt100 measurement.
- ✓ Selectable on °C or °F
- ✓ Real time SD memory card Data logger, Built-in Clock and Calendar, real time data recorder, sampling time setting from 1 sec to 3600 sec
- ✓ Manual data log - set sampling time to 0 sec, different position (location) no. (position 1 to position 99) can be set
- ✓ No software require, after logging extract the SD card from the meter and plug to the computer, all the measured value including year / month/ date/ hour/ minute/ second can be downloaded to the Excel
- ✓ User can make data or graphic analysis with downloaded data
- ✓ SD card capacity: 1GB to 16GB
- ✓ LCD with green light backlight, easy reading
- ✓ Default auto power off or Manual power off
- ✓ Data hold, Record max. and Min reading
- ✓ Microcomputer circuit, high accuracy
- ✓ Power by UM3/AA (1.5V) x 6 batteries or DC 9V adapter
- ✓ RS2342/USB PC Computer interface
- ✓ Heavy duty & compact housing case

GENERAL SPECIFICATION

Circuit	One-chip of microprocessor LSI cct
Display	LCD : 52x38mm with green backlight (ON/OFF)
Channels	T1, T2, T3, T4, T1-T2
Sensor Type	K,J, T,E,R,S, PT100(0.00385 alpha coefficient din IEC751)
Resolution	0.1°C/1°C,0.1°F/1°F
Sampling time Setting Range	Auto: 1sec to 3600 sec ** memory data may loss if sampling set to 1sec Manual: Push button once will save data one time ** Set sampling to 0 sec ** Manual mode can also select 1 to 99 position no.
Memory Card	SD memory card 1GB to 16GB
Advance Setting	Set clock time (year/Month/Date/Hour/Minute/Sec Decimal point of SD card setting Auto power OFF management Set beep Sound On/OFF Set temp unit to °C/°F Set sampling time SD memory card format
Temp Compensation	Automatic temp compensation for K/J/T/E/R/S & PT100
Linear Compensation	Linear Compensation for full range
Offset Adj	Available for K/J/T/E/R/S & PT100
Probe input socket	K/J/T/E/R/S – 2 pin TC socket PT100 – Ear phone socket
Over Range	Show '----'
Data Hold	Freeze the display reading
Memory Recall	Max and Min value
Sampling time of Display	Approx 1 sec
Data output	PC computer interface RS232 Interface – UPGB-02 USB Interface use USB-01
Power off	Auto shut off / Manual off
Operating Temp	0~50 °C
Operating Humidity	Less than 85% R.H
Power Supply	Alkaline or heavy duty DC 1.5V battery (UM3,AA) x 6pcs pr equivalent DC 9V adaptor input (AC/DC power adaptor optional
Weight	278 g
Dimension	177 x 68 x 45mm

Type	Resol	Range	Accuracy	Type	Resol	Range	Accuracy
Platinum PT100 ohm	0.1°C	-199.99 to 850.0°C	+/- (0.4% + 1° C)	Type T	0.1°C	-50.1 to -100.0°C	+/- (0.4% + 1° C)
	0.1°F	-327.0 to 999.9°F	+/- (0.4% + 1.8° F)			-50.0 to 400.0°C	+/- (0.4% + 0.5° C)
	1°F	1000 to 1562°F	+/- (0.4% + 2° F)		0.1°F	-58.1 to -148.0°F	+/- (0.4% + 1.8° F)
Type K	0.1°C	-50.1 to -100.0°C	+/- (0.4% + 1° C)		0.1°C	-58.0 to 752.0 °F	+/- (0.4% + 1° F)
		-50.0 to 999.9°C	+/- (0.4% + 0.5° C)			-50.1 to -100.0°C	+/- (0.4% + 1° C)
	1°C	1000 to 1300°C	+/- (0.4% + 1° C)		0.1°F	-50.0 to 900.0°C	+/- (0.4% + 0.5° C)
	0.1°F	-58.1 to -148.0°F	+/- (0.4% + 1.8° F)	-58.1 to -148.0°F		+/- (0.4% + 1.8° F)	
Type J	0.1°F	-58.0 to 999.9 °F	+/- (0.4% + 1° F)	1°F	1000 to 1652°F	+/- (0.4% + 2° F)	
		1000 to 2372°F	+/- (0.4% + 2° C)		Type R	1°C	0 to 1700°C
	0.1°C	-50.1 to -100.0°C	+/- (0.4% + 1° C)	1°F	32 to 3092°F	+/- (0.5% + 5° F)	
	1°C	-50.0 to 999.9°C	+/- (0.4% + 0.5° C)	Type S	1°C	0 to 1500°C	+/- (0.5% + 3° C)
	0.1°F	-58.1 to -148.0°F	+/- (0.4% + 1.8° F)		1°F	32 to 2732°F	+/- (0.5% + 5° F)
1°F	-58.0 to 999.9 °F	+/- (0.4% + 1° F)					
1°F	1000 to 2102°F	+/- (0.4% + 2° C)					