SD Card, real time data logger, 3 channels, Patent

THERMOMETER MONITOR

Model : MTM-380SD   *ISO-9001, CE, IEC1010*

LOCK
SD
1GB

⫟Lutron   MTM-380SD

25.2
25.4 °C
25.6

Enter   Time   Save File

LOGGER   ▲   ▼

SET   *SD Card Data Logger*
       3 CHANNELS

THERMOMETER MONITOR

ISO 9001:2008 SGS
UKAS QUALITY MANAGEMENT 005

⫟Lutron

LUTRON ELECTRONIC

The Art of Measurement

SD Card real time data logger
THERMOMETER MONITOR, 3 channels
Model : MTM-380SD

FEATURES

* Monitor with real time data logger, save the measuring data along the time information (year, month, date, minute, second) into the SD memory card and can be down load to the Excel, extra software is no need. user can make the further data or graphic analysis by themselves.

* Show 3 channels (CH1, CH2, CH3) Temp. value in the same LCD.

* Type K Thermometer : -100 to 1300 ℃, ℃/℉.

* SD card capacity : 1 GB to 16 GB.

* Large LCD display, easy readout.

* Microcomputer circuit, high accuracy.

* Low power consumption and long battery life when use battery power.

* DC 1.5V (UM-4, AAA) battery x 6 PCs or DC 9V adapter in.

* RS232/USB computer interface.

* Type K probe, TP-01 x 1 PC is included.

* Patented

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.	
Display	LCD size : 60 mm x 50 mm	
Measurement	Type K thermometer, ℃ or ℉.	
Memory Card	SD memory card. 1 G to 16 G.	
Datalogger Sampling Time	Save mode 1	60 seconds.
	Save mode 2	30 seconds.
	Save mode 3	5 seconds.
	AC power	5 seconds.
Advanced setting	* Set clock time (Year/Month/Date, Hour/Minute/ Second) * Decimal point of SD card setting * Set temperature unit to ℃ or ℉ * Set sampling time mode (power consumption mode). * SD memory card Format * Set save mode type	
Temperature Compensation	Automatic temp. compensation for the humidity function and the type K thermometer.	
Update Time of Display	Approx. 1 second if measuring data is changed.	

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.*	

SD card save period	Save mode 1	Per 60 minutes
	Save mode 2	Per 30 minutes
	Save mode 3	Per 5 minutes
Operating Temperature	0 to 50 ℃.	
Operating Humidity	Less than 85% R.H.	
Power Supply	*.Alkaline or heavy duty DC 1.5 V battery (UM4, AAA) x 6 PCs, or equivalent. *.DC 9V adapter input. (AC/DC power adapter is optional).	
Save mode/ Battery life	Save mode 1	90 days approximately
	Save mode 2	60 days approximately
	Save mode 3	30 days approximately
	Battery power *The above value is specified under the meter is used the Alkaline battery, power capacity is > 300 mAH.*	
Weight	240 g/0.53 LB.	
Dimension	132 x 80 x 32 mm (5.2 x 3.1 x 1.3 inch)	
Accessories Included	* Instruction manual.......................1 PC * Type K Temp. probe, TP-01...........1 PC	
Optional Accessories	SD Card (1 GB) 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.	

ELECTRICAL SPECIFICATIONS (23± 5 ℃)

Type K thermometer

Range	Resolution	Accuracy
-50.0 to 1300.0 ℃	0.1 ℃	± (0.4 % + 0.5 ℃)
-50.1 to -100.0 ℃		± (0.4 % + 1 ℃)
-58.0 to 2372.0 ℉	0.1 ℉	± (0.4 % + 1 ℉)
-58.1 to -148.0 ℉		± (0.4 % + 1.8 ℉)

PATENT	CHINA : ZL 2008 2 0189918.5 ZL 2008 2 0189917.0 TAIWAN : M 358970 M 359043 Germany : Nr. 20 2008 016 337.4 JAPAN : 3151214 U.S.A. : Pending

* Appearance and specifications listed in this brochure are subject to change without notice.   0909-MTM380SD