

SD card real time data recorder

3 channels 4-20 mA

CURRENT RECORDER

Model : MMA-386SD

ISO-9001, CE, IEC1010



LUTRON ELECTRONIC

The Art of Measurement

SD Card real time data logger 3 channels 4-20 mA CURRENT RECORDER

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FEATURES

* 4-20 mA current loop recorder with real time data logger, save the measuring data along the time information (year, month, date, hour, minute, second) into the SD memory card and can be downloaded to the Excel, extra software is no need.
* Input signal : 4 to 20 mA, 3 channels.
* Resolution : 0.01 mA.
* Input channels : 3 channels.
* Show 3 channels (CH1, CH2, CH3) 4-20 mA current loop values in the same LCD.
* Records time and date along with 4-20 mA DC current measurement value from external sensors, transducers and many other sources.
* Applications : 4 to 20 mA recording pH recording Low level signal monitoring Photovoltaic studies Battery studies Biological sensor monitoring Factory process control Research and development Medical and Pharmaceutical Environmental studies
* Large LCD display, easy readout.
* Low power consumption and long battery life when using battery power.
* DC 1.5V (UM-4/AAA) battery x 6 PCs or optional DC 9V adapter in.
* RS232/USB computer interface.

SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.
Display	LCD size : 60 mm x 50 mm
Memory Card	SD memory card. 1 GB to 16 GB.
Measurement Signal CH1, CH2, CH3	0 to 20 mA
Accuracy	± (0.5% + 0.02 mA)
Resolution	0.01 mA.

Datalogger Sampling Time	5/10/30/60/120/300/600 seconds
Data error no.	≤ 0.1 % no. of total saved data typically.
Advanced setting	* SD memory card Format * Set clock time (Year/Month/Date, Hour/Minute/Second) * Set sampling time * Set beeper sound ON/OFF * Set SD card Decimal character * Set RS232 data output ON/OFF
Update Time of Display	Approx. 1 second if measuring data is changed.
Data Output	RS 232/USB PC computer interface. * <i>Connect the optional RS232 cable UPCB-02 will get the RS232 plug.</i> * <i>Connect the optional USB cable USB-01 will get the USB plug.</i>
Operating Temperature	0 to 50 °C .
Operating Humidity	Less than 85% R.H.
Power Supply	DC 9V adapter input. (AC/DC power adapter is included).
Power Supply <i>* Clock backup battery</i>	Alkaline or heavy duty DC 1.5 V battery (UM4, AAA) x 6 PCs, or equivalent. * <i>Batteries power only for clock backup usage.</i> * <i>If the meter install batteries only and not connect the AC/DC power, meter only can measure the input mA and the function of SD card data logger is disable.</i>
Weight	199 g/0.44 LB.
Dimension	132 x 80 x 32 mm (5.2 x 3.1 x 1.3 inch)
Accessories Included	* Instruction manual..... 1 PC * Hanging unit (with sticker)..... 1 PC
Optional Accessories	* AC to DC 9V adapter * SD Card (4 GB) * USB cable, USB-01. * RS232 cable, UPCB-02. * Data Acquisition software, SW-U801-WIN. * Excel Data Acquisition software, SW-E802.

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

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