

*SD card real time data recorder*

# **3 channels DC 300.0 mV/3000 mV VOLTAGE RECORDER**

**Model : MMV-387SD**

*ISO-9001, CE, IEC1010*



**LUTRON ELECTRONIC**

***The Art of Measurement***

***SD card real time data logger***  
***DC 300.0 mV/3000 mV***

# 3 CHANNELS VOLTAGE RECORDER

**Model : MMV-387SD**

## FEATURES

* 300.0/3000 mV 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 : 300.0 mV/3000 mV, 3 channels.
* Resolution : 0.1 mV/1 mV.
* Input channels : 3 channels.
* Show 3 channels ( CH1, CH2, CH3 ) mV measurement values in the same LCD.
* Records time and date along DC mV value from external sensors, transducers and many other sources.
* Applications : 300.0 mV/3000 DC mV recording. Current probe 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	300.0 DC mV or 3000 DC mV. * 2 range, internal setting.	
CH1, CH2, CH3		
Accuracy	300.0 DC mV	$\pm ( 0.5\% + 0.2 \text{ mV } )$
	3000 DC mV	$\pm ( 0.5\% + 2 \text{ mV } )$
Resolution	300.0 DC mV	0.1 DC mV
	3000 DC mV	1 DC mV

Datalogger Sampling Time	5/10/30/60/120/300/600 seconds
Data error no.	$\leq 0.1 \%$ 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 * Set input range ( 300.0 mV/3000 mV )
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	Alkaline or heavy duty DC 1.5 V battery ( UM4, AAA ) x 6 PCs, or equivalent. or 'DC 9V adapter input. ( AC/DC power adapter is the optional accessory ). * <i>Batteries are also the clock backup power source, so if use AC to DC adapter power supply, it is recommend to install the batteries at any time.</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 * Wire plug for input socket.....3 PCs
Optional Accessories	* AC to DC 9V adapter * SD Card ( 4 GB ) * USB cable, USB-01. * 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.

1511-MMV387SD