#### Real time

# SD CARD DATA LOGGER

Model: DL-9602SD *ISO-9001, CE, IEC1010* 









The Art of Measurement

## real time

### **SD CARD DATA LOGGER**

Model: DL-9602SD

#### **FEATURES**

Real time SD memory card Datalogger, it can						
cooperate with most LUTRON instruments if it build						
in the computer interface.						

- \* Built-in Clock and Calendar, real time data recorder, sampling time set from 1 second to 8 hours 59 minutes 59 seconds.
- \* Manual datalogger is available ( set the sampling time to 0 ), during execute the manual datalogger function, it can set the different place ( location ) No. ( place 1 to place 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 measured value with the time information ( year/month/date/ hour/minute/second ) to the Excel directly, then user can make the further data or graphic analysis by themselves.
- \* SD card capacity: 1 GB to 16 GB.
- \* Can set the numerical decimal point character to " . " or " , " with default, then Datalogger data that saved into the SD card can be used in different country.
- \* Can set max. 9 channels data input with default.
- \* DC 1.5V battery ( UM-3 , AA ) x 6 or DC 9V adapter in.
- \* LCD with green light backlight, easy reading.
- \* RS232 signal output, can connect the external computer.

# SPECIFICATIONS Application \* Real time SD

Application	* Real time SD memory card				
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	LUTRON instruments if it build in				
	the computer interface.				
	* Innovation and easy operation,				
	computer no need to setup extra				
	software, after execute datalogger, just				
	plug in the SD card into the computer,				
	it can down load the all the measured				
	value and unit along with the time				
	information ( year/month/date/				
	hour/minute/second ) to the Excel				
	directly, user can make the further data				
	or graphic analysis by themselves.				
Circuit	Custom one-chip of microprocessor LSI				
	circuit.				
Display	LCD size: 52 mm x 38 mm				
	LCD with Backlight ( ON/OFF ).				
Input Direct RS232 signal input.					
Signal	Isolate RS232 signal input.				

*SD memory card Format  *Set input channel No. Set clock time ( Year/Month/Date, Hour/Minute/ Second )  *Set sampling time ( Hour/Minute/ Second )  *Auto power OFF management  *Set LCD backlight ON/OFF  *Set beeper sound ON/OFF  Power off  Auto shut off saves battery life or manual off by push button.  Sampling Time  Auto  Seconds.  **Sampling time can set to 1 second, but memory data may loss  Manual  Push the data logger button once will save data one time.  **Set the sampling time to 0 second.  Data error no.  0.1% of total saved data max.  Data Output  RS 232/USB PC computer interface.  * The output data structure are same as the input data.  * Connect the optional RS232 cable UPCB-02 will get the RS232 plug.  * Connect the optional USB cable USB-01 will get the USB plug.  Operating  Operating  Temp. and Humidity  Power Supply  * Alkaline or heavy duty DC 1.5 V battery ( UM3, AA ) x 6 PCs, or equivalent.  * DC 9V adapter input. ( AC/DC power adapter is optional ).  Power Current  Normal operation ( w/o SD card save data and LCD Backlight is OFF): Approx. DC 7 mA.  When SD card save the data and LCD Backlight is OFF): Approx. DC 28 mA.  * If LCD backlight on, the power consumption will increase approx. 17 mA.  Weight  468 g/1.03 LB.  Dimension  178 x 68 x 44 mm (7.0 x 2.7x 17 inch)  Standard  * Double carrebone cable UDCB-02  * Instruction manual	* Set input channel No. Set clock time ( Year/Month/Date, Hour/Minute/ Second )  * Set sampling time ( Hour/Minute/ Second )  * Auto power OFF management  * Set LCD backlight ON/OFF  * Set beeper sound ON/OFF  Auto shut off saves battery life or manual off by push button.  Sampling Time Setting range  Auto 2 seconds to 8 hours 59 min.  59 seconds.  * Sampling time can set to 1 second, but memory data may loss  Manual Push the data logger button once will save data one time.  * Set the sampling time to 0 second.  Data error no.  Data error no.  0.1% of total saved data max.  RS 232/USB PC computer interface.  * The output data structure are same as the input data.  * Connect the optional RS232 cable UPCB-02 will get the RS232 plug.  * Connect the optional USB cable USB-01 will get the USB plug.  Operating  Operating  O to 50 °C.  Temp. and Less than 85% R.H.  Humidity  Power Supply  * Alkaline or heavy duty DC 1.5 V battery ( UM3, AA ) x 6 PCs, or equivalent.  * .DC 9V adapter input. ( AC/DC power adapter is optional).  Normal operation ( w/o SD card save data and LCD Backlight is OFF):  Approx. DC 7 mA.  When SD card save the data and LCD Backlight is OFF):  Approx. DC 28 mA.  * .If LCD backlight on, the power consumption will increase approx.  17 mA.  Weight  468 g/1.03 LB.  Dimension  178 x 68 x 44 mm (7.0 x 2.7x 1.7 inch)					
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*Set beeper sound ON/OFF  Power off Auto shut off saves battery life or manual off by push button.  Sampling Time Setting range  Auto Sampling time can set to 1 second, but memory data may loss  Manual Push the data logger button once will save data one time.  © Set the sampling time to 0 second.  Data error no. Data Output RS 232/USB PC computer interface. * The output data structure are same as the input data. * Connect the optional RS232 cable UPCB-02 will get the RS232 plug. * Connect the optional USB cable USB-01 will get the USB plug.  Operating Temp. and Humidity  Power Supply Alkaline or heavy duty DC 1.5 V battery (UM3, AA) x 6 PCs, or equivalent. * DC 9V adapter input. (AC/DC power adapter is optional).  Power Current Normal operation (w/o SD card save data and LCD Backlight is OFF): Approx. DC 7 mA. When SD card save the data and LCD Backlight is OFF): Approx. DC 28 mA. * If LCD backlight on, the power consumption will increase approx. 17 mA.  Weight 468 g/1.03 LB.  Dimension 178 x 68 x 44 mm (7.0 x 2.7x 1.7 inch)  Standard * Instruction manual	*Set beeper sound ON/OFF Power off Auto shut off saves battery life or manual off by push button.  Sampling Time Setting range  Auto  2 seconds to 8 hours 59 min. 59 seconds.  **Set beeper sound Seconds.  **Sampling time can set to 1 second, but memory data may loss  Manual  Push the data logger button once will save data one time.  **Set the sampling time to osecond.  Data error no.  Data Output  **Re 232/USB PC computer interface.  **The output data structure are same as the input data.  **Connect the optional RS232 cable UPCB-02 will get the RS232 plug.  **Connect the optional USB cable USB-01 will get the USB plug.  Operating  Operating  Temp. and  Less than 85% R.H.  Humidity  Power Supply  **Alkaline or heavy duty DC 1.5 V battery (UM3, AA) x 6 PCs, or equivalent.  **.DC 9V adapter input. (AC/DC power adapter is optional).  Normal operation (w/o SD card save data and LCD Backlight is OFF):  **Approx. DC 7 mA.**  When SD card save the data and LCD Backlight is OFF):  **Approx. DC 28 mA.**  **If LCD backlight on, the power consumption will increase approx.  17 mA.*  Weight  468 g/1.03 LB.  Dimension  178 x 68 x 44 mm (7.0 x 2.7x 1.7 inch)  Standard  **Instruction manual					
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	Accessories * Double earphone cable, UPCB-03 Included					
Accordance   * Double carphone cable LIDCD 03	Included					
	Optional Hard carrying case, CA-06					
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	Germany: Nr. 20 2008 016 337.4	JAPAN: 3151214	U.S.A. : Pending