SD Card real time data recorder

INTEGRATING SOUND LEVEL METER class 1

Model: SL-4036SD *ISO-9001, CE, IEC1010*





LUTRON ELECTRONIC

The Art of Measurement

SD Card real time data recorder

INTEGRATING SOUND LEVEL METER class 1 Model: SL-4036SD

FEATURES

*	Real time recorder, save the data into the SD memory card
	and can be downloaded to the Excel, extra softwareis no need.
*	Frequency and Time weighting are designed to meet IEC 61672 class 1,
	IEC 60804 type 1, ANSI S 1.43 type 1.
*	Measuuring modes : SPL, Leq.
*	Auto range : 30 - 130 dB.
*	Tow Manual range :
	30 - 80 dB, 80 - 130 dB.
*	A / C frequency weighting.
*	Fast / Slow Time weighting.
*	Dot matric LCD with backlight.
*	RS232/USB PC COMPUTER interface.
*	Optional wind shield ball, SB-01.
*	Power by UM3/AA (1.5 V) x 6 batteries or DC 9V adapter.
*	SD card capacity: 1 GB to 16 GB.
*	Optional acqustion softweres, SW-US801-WIN, SW-E802
*	Microcomputer circuit, high accuracy.
*	Patented.

Specifications

Circuit Custom one-chip of microprocessor LSI circuit Display LCD size : 51 mm x 30 mm LCD with green backlight (ON/OFF). Measurement SPL : Sound pressure level Leq : Equivalent Continuous Noise Level Measurement Range Resolution 0.1 dB. Function dB (A & C frequency weighting), Time weighting (Fast, Slow). Peak hold, Data hold Record (Max., Min.). Accuracy Characteristics of "A", "C" frequency weighting network meet ANSI S1.4-2014 / IEC 61672-1 : 2013 class 1 Under 94 dB input signal, the accuracy are : 31.5 Hz	Specifications	
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	Data hold	
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value.		

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Range selector	Auto range: 30 to 130 dB.
	Manual range : 2 range, 30 to 80 dB,
	80 to 130 dB, 50 dB on each step,
	with over & under range indicating.
Frequency	31.5 to 16,000 Hz.
Microphone	Electric condenser microphone.
type	Out size 40.7 mm PIA (4/0 in sh)
Microphone size	Out size, 12.7 mm DIA. (1/2 inch).
Data error no.	≤ 0.1 % no. Of total saved data typically.
Calibration VR	Build in external calibration VR, easy to
	calibrate on 94 dB level by screw driver.
	* Calibrated via external SOUND
	CALIBRATOR (SC-942, optional).
Calibrator	B & K (Bruel & kjaer), MULTIFUNCTION
Datalogger	ACOUSTIC CALIBRATOR Type 4226. Auto 1 second to 3600 seconds
Sampling Time	@ Sampling time can set to 1 second,
Setting range	but memory data may loss.
	Manual Push the data logger button
	once will save data one time.
	@ Set the sampling time to
	0 second.
	@ Manual mode, can also select the 1 to 99 position (Location) no.
Memory Card	SD memory card. 1 GB to 16 GB.
Advanced	Set clock time (Year/Month/Date,Hour/Minute/ Second)
setting	* Set sampling time
	* Auto power OFF management
	* Set beep Sound ON/OFF
	* Decimal point of SD card setting
	* SD memory card Format
	* Frequency weighting to A or C setting
Over Indication Data Hold	Show " ".
Memory Recall	Freeze the display reading. Maximum & Minimum value.
Sampling Time	Approx. 1 second.
of Display	, pprox. records.
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
10	USB-01 will get the USB plug.
AC output	AC 0.5 Vrms corresponding to each range step.
	* Output impedance : 600 ohm.
Power off	Auto shut off saves battery life or
	manual off by push button.
Operating	0 to 50 ℃.
Temperature	Lacathan 050/ D.H.
Operating Humidity	Less than 85% R.H.
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 8.2 mA.
	When SD card save the data but and
	LCD Backlight is OFF) :
	Approx. DC 34 mA. * If LCD backlight on, the power
	consumption will increase approx.
	6 mA.
Weight	323 g/0.71 LB.
Dimension	245 x 68 x 45 mm. (9.6 x 2.7x 1.8 inch).
Accessories	* Instruction manual
I	* Hard carrying case, CA-06 1 PC
Included	* Sound calibrator (94 dB), SC-941.
Optional	
	* Sound calibrator (94/114 dB), SC-942.
Optional	
Optional	Sound calibrator (94/114 dB), SC-942. Sound wind shield ball, SB-01 SD Card (4 GB) USB cable, USB-01.
Optional	 Sound calibrator (94/114 dB), SC-942. Sound wind shield ball, SB-01 SD Card (4 GB) USB cable, USB-01. RS232 cable, UPCB-02.
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Optional	 Sound calibrator (94/114 dB), SC-942. Sound wind shield ball, SB-01 SD Card (4 GB) USB cable, USB-01. RS232 cable, UPCB-02.

Spec. tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.