SD card real time data recorder

INTEGRATING SOUND LEVEL METER

Model: SL-14035SD *ISO-9001, CE, IEC1010*









The Art of Measurement

SD card real time datalogger, RS232/USB Frequency weighting and Time weighting meet IEC 61672 class 2

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FEATURES		1	
* Frequency and Time weighting are designed to meet		Data hold	To freeze the measurement value.
IEC 61672 class 2.		Time	Fast - t = 125 ms
* The meter with programmable integrating time provides precise linearity over a wide range (100dB) and displays		weighting (FAST &SLOW)	* "Fast" range is simulated the human ear response time weighting.
Leg and SPL measurements.		(FAST &SLOW)	Slow - t = 1 s
* A & C weighting networks comply with standards.		1	* "Slow" range is easy to get the average
	microphone head.		values of vibration sound level.
	g (Fast & Slow) dynamic characteristic modes.	Range selector	Auto range: 30 to 130 dB.
* Build External calibration VR.			Manual range :
* Auto range & Manual range selection.			2 range, 30 to 80 dB,
* Condenser microphone for high accuracy & long-term stability.			80 to 130 dB, 50 dB on each step, with over & under range indicating.
* Memory function to store the Max. & Min. value.		Frequency	31.5 to 8,000 Hz.
* Hold and Peak Hold functions.		Microphone	Electric condenser microphone.
* Real time SD memory card Datalogger, it Built-in Clock		type	·
and Calendar, real time data recorder, sampling time set		Microphone	Out size, 12.7 mm DIA. (1/2 inch).
	d to 3600 seconds.	size Calibration VR	Della la contra de la contra della contra della contra de la contra de la contra de la contra della contra de
* Manual datalogger is available (set the sampling time to 0 second), during execute the manual datalogger		Calibration VR	Build in external calibration VR, easy to calibrate on 94 dB level by screw driver.
function, it can set the different position (location) No.			* Calibrated via external SOUND
(position 1 to position 99).			CALIBRATOR (SC-942, optional).
* Innovation and easy operation, computer is not need to		Calibrator	B & K (Bruel & kjaer), MULTIFUNCTION
setup extra software, after execute datalogger, just take			ACOUSTIC CALIBRATOR Type 4226.
away the SD card from the meter and plug in the SD card		Datalogger	Auto 1 second to 3600 seconds
into the computer, it can download the all the measured		Sampling Time	@ Sampling time can set to 1 second,
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.		Setting range	but memory data may loss.
			Manual Push the data logger button once will save data one time.
		1	© Set the sampling time to
	n light backlight, easy reading.	1	0 second.
	ito power off or manual power off.	1	@ Manual mode, can also select the
	ord max. and min. reading.	1	1 to 99 position (Location) no.
* Microcompute	r circuit, high accuracy.	Memory Card	SD memory card. 1 GB to 16 GB.
	3/AA (1.5 V) x 6 batteries or DC 9V adapter.	Advanced	* Set clock time
	C COMPUTER interface.	setting	(Year/Month/Date, Hour/Minute/ Second)
	compact housing case.		* Set sampling time
Leq, SPL, MAX	K-S, and MIN-S measurements.]	* Auto power OFF management
CDEOLEIOATION	1		* Set beep Sound ON/OFF
SPECIFICATION		1	* Decimal point of SD card setting
Circuit	Custom one-chip of microprocessor LSI circuit.		* SD memory card Format * Frequency weighting to A or C setting
Display	LCD size : 52 mm x 32 mm	Over Indication	Show " ".
Display	LCD with green backlight (ON/OFF).	Data Hold	Freeze the display reading.
Measurement	SPL : Sound pressure level	Memory Recall	Maximum & Minimum value.(for SPL)
Туре	Leg : Equivalent Continuous Noise Level	Sampling Time	Approx. 1 second.
Measurement	30 - 130 dB.	of Display	''
Range		Data Output	RS 232/USB PC computer interface.
Resolution	0.1 dB.	1	* Connect the optional RS232 cable
Function	dB (A & C frequency weighting),		UPCB-02 will get the RS232 plug.
	Time weighting (Fast, Slow), Peak hold, Data hold		* Connect the optional USB cable USB-01 will get the USB plug.
	Record (Max., Min.).	AC output	AC 0.5 Vrms corresponding to each
Accuracy	Characteristics of " A " frequency	1 Courput	range step.
(23 ± 5 °C)	weighting network meet IEC 61672-1-2013		* Output impedance : 600 ohm.
	class 2	Power off	Auto shut off saves battery life or
	Under 94 dB input signal, the accuracy		manual off by push button.
	are :	Operating	0 to 50 ℃.
	31.5 Hz ± 3.0 dB	Temperature	Loop the second D.H.
	63 Hz ± 2.0 dB	Operating	Less than 85% R.H.
	125 Hz ± 1.5 dB	Humidity Power Supply	* Alkaline or heavy duty DC 1.5 V battery
	250 Hz ± 1.5 dB 500 Hz ± 1.5 dB	Power Supply	(UM3, AA) x 6 PCs, or equivalent.
	1 K Hz ± 1.0 dB		* DC 9V adapter input. (AC/DC power
	2 K Hz ± 2.0 dB		adapter is optional).
	4 K Hz ± 3.0 dB	Power Current	Normal operation (w/o SD card save
Fraguency	8 KHz ± 5.0 dB		data and LCD Backlight is OFF) :
	Remark :		Approx. DC 12 mA.
	The above spec. are tested under the		When SD card save the data but and
	environment RF Field Strength less		LCD Backlight is OFF) :
	than 3 V/M & frequency less than 30		Approx. DC 51 mA.
	MHz only.	1	* If LCD backlight on, the power
Frequency	Characteristics of A & C.		consumption will increase approx. 30 mA.
Weighting Network	A weighting :	Weight	30 mA. 489 q/1.08 LB.
	A weighting: The characteristic is simulated as "Human	Dimension	245 x 68 x 45 mm.
	Ear Listing" response. Typical, if making	Dimension	(9.6 x 2.7x 1.9 inch).
	the environmental sound level	Accessories	* Instruction manual1 PC
	measurement, always select to A	Included	* Hard carrying case, CA-061 PC
	weighting.	Optional	* Sound calibrator (94 dB), SC-941.
	- 3	Accessories	* Sound calibrator (94/114 dB), SC-942.
	C weighting :		* Sound wind shield ball, SB-01
	The characteristic is near the "FLAT"		* SD Card
	response. Typical, it is suitable for		* USB cable, USB-01.
	checking the noise of machinery (Q.C.		* RS232 cable, UPCB-02.
	check) & knowing the sound pressure		* Data Acquisition software,
	level of the tested equipment.]	SW-U801-WIN.
Peak hold	To keep the peak (max.) measurement		* AC to DC 9V adapter.
	value.	l L	* Soft carrying case, CA-05A.
Annearance at	nd specifications listed in this brochure are subject	ct to change without	notice. 240322-SL14035SD

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