SD Card, real time data logger, Patent Frequency and Time weighting meet IEC 61672 class 1

SOUND LEVEL METER

Model: SL-4033SD *ISO-9001, CE, IEC1010*







Hard carrying case, CA-06



SD Card real time data logger **SOUND LEVEL METER**

Model: SL-4033SD

FEATURES

* Frequency and time weighting meet IEC 61672 class 1				
* A & C weighting networks comply with standards.				
* 0.5" standard microphone head.				
* Time weighting (Fast & Slow) dynamic characteristic				
modes.				
* Build External calibration VR.				
* Auto range & Manual range selection.				
* Available for external calibration adjustment.				
* Condenser microphone for high accuracy & long-term				
stability.				
* Memory function to store the Max. & Min. value.				
* Hold and Peak Hold functions.				
* Real time SD memory card Datalogger, it Built-in Clock				
and Calendar, real time data recorder, sampling time set				
from 1 second to 3600 seconds.				
* Manual datalogger is available (set the sampling				
time to 0 second), during execute the manual datalogger				
function, it can set the different position (location) No.				
(position 1 to position 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 all 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.				
* LCD with green light backlight, easy reading.				
* Can default auto power off or manual power off.				
* Data hold, record max. and min. reading.				
* Microcomputer circuit, high accuracy.				
* Power by UM3/AA (1.5 V) x 6 batteries or DC 9V adapter.				
* RS232/USB PC COMPUTER interface.				
* Heavy duty & compact housing case.				

GENERAL SPECIFICATIONS

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Circuit	Custom one-chip of microprocessor LSI			
	circuit.			
Display	LCD size : 52 mm x 38 mm			
	LCD with green backlight (ON/OFF).			
Measurement	30 - 130 dB.			
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 " frequency			
(23 ± 5 °C)	weighting network meet IEC 61672			
(23 - 3 0)	class 1			
	Under 94 dB input signal, the accuracy			
	are:			
	31.5Hz ± 2.0 dB			
	63 Hz ± 1.5 dB			
	125 Hz ± 1.5 dB			
	250 Hz ± 1.4 dB			
	500 Hz ± 1.4 dB			
	1 K Hz ± 1.1 dB			
	2 K Hz ± 1.6 dB			
	4 K Hz ± 1.6 dB			
	8 K Hz + 2.1 dB , -3.1 dB			
	12.5 KHz + 3.0 dB, -6.0 dB			
	16 KHz + 3.5 dB, -17.0 dB			
	Remark:			
	The above spec. are tested under the			
	environment RF Field Strength less			
	than 3 V/M & frequency less than 30			
	MHz only.			
Frequency	Characteristics of A & C.			
Weighting	Characteristics of A & C.			
Network	A weighting :			
INCLINOIN	The characteristic is simulated as "Human			
	Ear Listing" response. Typical, if making			
	the environmental sound level			
	measurement, always select to A			
	weighting.			
	Cursighting			
	C weighting The characteristic is near the "FLAT"			
	response. Typical, it is suitable for			
	checking the noise of machinery (Q.C.			
	check) & knowing the sound pressure			
Data hall	level of the tested equipment.			
Data hold	To freeze the measurement value.			

Peak hold	To keep value.	the peak (max.) measurement		
Time	Fast - t= 200 ms			
weighting		range is simulated the human ear		
(Fast & Slow)		response time weighting.		
`,	Slow - t = 500 ms			
	* "Slow" range is easy to get the average			
	values of vibration sound level.			
Range selector	Auto range: 30 to 130 dB.			
i tarige serecce.	Manual range :			
	3 range, 30 to 80 dB, 50 to 100 dB,			
	80 to 130 dB, 50 dB on each step,			
	with over & under range indicating.			
Frequency	31.5 to 16 KHz.			
Microphone	Electric condenser microphone.			
type	Ziodano con donoci milaropriorio.			
Microphone size	Out size, 12.7 mm DIA. (1/2 inch).			
Calibration VR	Build in	external calibration VR, easy to		
	calibrate	on 94 dB level by screw driver.		
	* Calibra	ated via external SOUND		
	CALIBRATOR (SC-941, optional).			
Calibrator	B & K (B	B & K (Bruel & kjaer), Multifunction		
	Acoustic	Calibrator 4226.		
Datalogger	Auto	1 second to 3600 seconds		
Sampling Time		@ Sampling time can set to 1 second,		
Setting range		but memory data may loss.		
Jacking runge	Manual	Push the data logger button		
	inanuai	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		ory card. 1 GB to 16 GB.		
Advanced	* Set clo	ck time (Year/Month/Date,		
setting	Hour/M	linute/ Second)		
		al point of SD card setting		
	1	ower OFF management		
	1	ep Sound ON/OFF		
		npling time		
		mory card Format		
Over Indication	Show " -	· ".		
Data Hold		he display reading.		
Memory Recall		n & Minimum value.		
Sampling Time		1 second.		
	Thhiox.	1 Scottu.		
of Display				
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			
		USB-01 will get the USB plug.		
Power off				
I OWCI OII		Auto shut off saves battery life or		
0		manual off by push button.		
Operating	0 to 50 °	C.		
Temperature				
Operating	Less tha	n 85% R.H.		
Humidity				
Power Supply	* ,Alkalir	ne or heavy duty DC 1.5 V battery		
	* DC 07	, AA) x 6 PCs, or equivalent. daapter input. (AC/DC power		
		er is optional).		
D C .	Normal operation (w/o SD card save			
Power Current		data and LCD Backlight is OFF):		
Power Current		LCD Backlight is OFF):		
Power Current	data and	x. DC 8.5 mA.		
Power Current	data and	x. DC 8.5 mA.		
Power Current	data and Appro When SI	x. DC 8.5 mA. D card save the data but and		
Power Current	data and Appro When SI LCD Bac	x. DC 8.5 mA. D card save the data but and klight is OFF):		
Power Current	data and Appro When SI LCD Bac Appro	x. DC 8.5 mA. D card save the data but and klight is OFF): x. DC 30 mA.		
Power Current	data and Appro When SI LCD Bac Appro * .If LCD	x. DC 8.5 mA. D card save the data but and klight is OFF): x. DC 30 mA. D backlight on, the power		
Power Current	data and Appro When SI LCD Bac Appro * .If LCD consu	x. DC 8.5 mA. D card save the data but and klight is OFF): x. DC 30 mA. D backlight on, the power mption will increase approx.		
Power Current	data and Appro When SI LCD Bac Appro *.If LCD consu 14 mA	x. DC 8.5 mA. D card save the data but and klight is OFF): x. DC 30 mA. D backlight on, the power mption will increase approx. A.		
Power Current Weight	data and Appro When SI LCD Bac Appro * .If LCD consu	x. DC 8.5 mA. D card save the data but and klight is OFF): x. DC 30 mA. D backlight on, the power mption will increase approx. A.		
	data and Appro When SI LCD Bac Appro * .If LCD consu 14 ma 489 g/1.	x. DC 8.5 mA. D card save the data but and klight is OFF): x. DC 30 mA. D backlight on, the power mption will increase approx. A.		
Weight	data and Appro When SI LCD Bac Appro *.If LCD consu 14 m/ 489 g/1. 245 x 68	x. DC 8.5 mA. D card save the data but and klight is OFF): x. DC 30 mA. D backlight on, the power mption will increase approx. 4. 08 LB. B x 45 mm.		
Weight Dimension	data and Appro When SI LCD Bac Appro * .If LCD consu 14 ma 489 g/1. 245 x 68 (9.6 x 2	x. DC 8.5 mA. D card save the data but and klight is OFF): x. DC 30 mA. D backlight on, the power imption will increase approx. 4. 08 LB. B x 45 mm. L 7x 1.9 inch).		
Weight Dimension Accessories	data and Appro When SI LCD Bac Appro *.If LCD consu 14 m4 489 g/1. 245 x 68 (9.6 x 2	x. DC 8.5 mA. D card save the data but and klight is OFF): x. DC 30 mA. D backlight on, the power mption will increase approx. 4. 08 LB. 8 x 45 mm. 1.7x 1.9 inch). Ction manual		
Weight Dimension Accessories Included	data and Approved When SI LCD Bac Approved Appro	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power amption will increase approx. 4. 08 LB. 8 x 45 mm. 1.7x 1.9 inch). Ction manual		
Weight Dimension Accessories Included Optional	data and Appro When SI LCD Bac Appro *.If LCC consu 14 m/4 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard c * Sound	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power imption will increase approx. 4. 08 LB. 8 x 45 mm. 1.7x 1.9 inch). 1.ction manual		
Weight Dimension Accessories Included	data and Appro When SI LCD Bac Appro *.If LCC consu 14 m/4 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard c * Sound	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power amption will increase approx. 4. 08 LB. 8 x 45 mm. 1.7x 1.9 inch). Ction manual		
Weight Dimension Accessories Included Optional	data and Appro When SI LCD Bac Appro *.If LCC consu 14 m/4 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard c * Sound * Sound	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power imption will increase approx. 4. 08 LB. B x 45 mm. 1.7x 1.9 inch). Ction manual		
Weight Dimension Accessories Included Optional	data and Appro When SI LCD Bac Appro *.IFLCC consu 14 m/4 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard 6 * Sound * Sound * Sound	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power mption will increase approx. 4. 08 LB. B x 45 mm. 1.7x 1.9 inch). ction manual		
Weight Dimension Accessories Included Optional	data and Appro When SI LCD Bac Appro *.If LCC consu 14 m/ 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard 0 * Sound * Sound * Sound * Sound	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power mption will increase approx. 4. 08 LB. B x 45 mm7x 1.9 inch). ction manual		
Weight Dimension Accessories Included Optional	data and Appro When SI LCD Back Appro *.If LCC consu 14 m/ 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard 6 * Sound * Sound * Sound * Sound * SUSB cd	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power mption will increase approx. 4. 08 LB. 8 x 45 mm. 1.7x 1.9 inch). ction manual		
Weight Dimension Accessories Included Optional	data and Appro When SI LCD Bac Appro *.If LCC consu 14 m/4 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard c * Sound * Sound * Sound * Sound * Sund * Sund * Sund * SR SC Ca * USB C * RS232	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power mption will increase approx. 4. 08 LB. 3x 45 mm. 1.7x 1.9 inch). ction manual		
Weight Dimension Accessories Included Optional	data and Appro When SI LCD Bac Appro *.If LCC consu 14 m/4 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard 0 * Sound * Sound * Sound * SO Ca * RS232 * Data A	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power imption will increase approx. 4. 08 LB. 8 x 45 mm. 2.7x 1.9 inch). Ction manual		
Weight Dimension Accessories Included Optional	data and Appro When SI LCD Bac Appro *.If LCC consu 14 m/4 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard 0 * Sound * Sound * Sound * SO Ca * RS232 * Data A	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power imption will increase approx. 4. 08 LB. 8 x 45 mm. 2.7x 1.9 inch). Ction manual		
Weight Dimension Accessories Included Optional	data and Appro When SI LCD Bac Appro *.If LCC consu 14 m/4 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard d * Sound * Sound * Sound * SO Ca * USB c * R\$232 * Data A SW-U8	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power imption will increase approx. 4. 08 LB. 3 x 45 mm. 2.7x 1.9 inch). ction manual		
Weight Dimension Accessories Included Optional	data and	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power imption will increase approx. 4. 08 LB. B x 45 mm. 1.7x 1.9 inch). Ction manual		
Weight Dimension Accessories Included Optional	data and	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power imption will increase approx. 4. 08 LB. 3 x 45 mm. 2.7x 1.9 inch). ction manual		
Weight Dimension Accessories Included Optional	data and	xx. DC 8.5 mA. D card save the data but and klight is OFF): xx. DC 30 mA. D backlight on, the power imption will increase approx. 4. 08 LB. B x 45 mm. 1.7x 1.9 inch). Ction manual		

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* Appearance and specifications listed in this brochure are subject to change without notice. MRC-10.15