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





The Art of Measurement

SD Card real time data logger SOUND LEVEL METER

Model: SL-4033SD

FEATURES

PLATURES			
* 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

Cine vit	Custom one ship of misusumus seess LCI		
Circuit	Custom one-chip of microprocessor LSI circuit.		
Dicalay	LCD size : 52 mm x 38 mm		
Display			
Management	LCD with green backlight (ON/OFF).		
Measurement	30 - 130 dB.		
Range	0.4.15		
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		
	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		
	Domesti.		
	Remark:		
	The above spec. are tested under the		
	environment RF Field Strength less		
	than 3 V/M & frequency less than 30		
Fraguen = :	MHz only.		
Frequency Weighting	Characteristics of A & C.		
Network	A weighting :		
INCLINOIN	A weighting: The characteristic is simulated as "Human		
	Ear Listing" response. Typical, if making		
	the environmental sound level		
	measurement, always select to A		
	weighting.		
	C weighting		
	The characteristic is near the "FLAT"		
	response. Typical, it is suitable for		
1	checking the noise of machinery (Q.C.		
1	check) & knowing the sound pressure		
1	level of the tested equipment.		
Data hold	To freeze the measurement value.		

T'	value.	the peak (max.) measurement		
Time	Fast - t= 200 ms			
weighting	* "Fast"	range is simulated the human ear		
(Fast & Slow)	respoi	nse time weighting.		
,	Slow - $t = 500 \text{ ms}$			
	* "Slow" range is easy to get the average			
Range selector	values of vibration sound level. Auto range: 30 to 130 dB.			
tange sereeter	Manual range :			
	3 rang	e, 30 to 80 dB, 50 to 100 dB,		
	80 to 130 dB, 50 dB on each step,			
F	with over & under range indicating.			
Frequency Microphone	31.5 to 16 KHz. Electric condenser microphone.			
type Microphone	Out size, 12.7 mm DIA. (1/2 inch).			
size Calibration VR	Build in external calibration VR, easy to			
Calibration VK	calibrate on 94 dB level by screw driver.			
	* Calibra	* Calibrated via external SOUND		
	CALIBRATOR (SC-941, optional).			
Calibrator	B & K (B	B & K (Bruel & kjaer), Multifunction		
		Calibrator 4226.		
Datalogger Sampling Time	Auto	1 second to 3600 seconds		
Sampling Time Setting range	1	@ Sampling time can set to 1 second, but memory data may loss.		
Jetting range	Manual	Push the data logger button		
		once will save data one time.		
	1	@ 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		ck time (Year/Month/Date,		
setting		linute/ Second)		
	* Decimal point of SD card setting			
	* Auto power OFF management			
	* Set beep Sound ON/OFF * Set sampling time			
Over Indication	Show " -	mory card Format		
Data Hold		ne display reading.		
Memory Recall		n & Minimum value.		
Sampling Time of Display		Approx. 1 second.		
Data Output	RS 232/USB PC computer interface.			
Jaca Garpar	* Connect the optional RS232 cable			
	UPCB-02 will get the RS232 plug.			
	* Connect the optional USB cable			
		1 will get the USB plug.		
	Auto shu	t off saves battery life or		
Power off	manual off by push button.			
Power off				
Power off Operating	manual of to 50 °C			
	0 to 50 °	С.		
Operating Temperature Operating	0 to 50 °			
Operating Temperature Operating Humidity	0 to 50 °C	n 85% R.H.		
Operating Temperature Operating	0 to 50 °C Less than *.Alkalin	n 85% R.H. e or heavy duty DC 1.5 V battery		
Operating Temperature Operating Humidity	0 to 50 °C Less than *.Alkalin	n 85% R.H. e or heavy duty DC 1.5 V battery		
Operating Temperature Operating Humidity	0 to 50 °C Less than * Alkalin (UM3, * DC 9V	n 85% R.H. e or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power		
Operating Temperature Operating Humidity Power Supply	Unit of the second of the seco	n 85% R.H. e or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional).		
Operating Temperature Operating Humidity	* Alkalin (UM3, * .DC 9V adapte	n 85% R.H. e or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). peration (w/o SD card save		
Operating Temperature Operating Humidity Power Supply	0 to 50 % Less than * Alkalin (UM3, * .DC 9V adapte Normal cdata and	n 85% R.H. e or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). peration (w/o SD card save LCD Backlight is OFF):		
Operating Temperature Operating Humidity Power Supply	Uto 50 % Less than * Alkalin (UM3, * DC 9V adapte Normal cdata and Approximation	n 85% R.H. e or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). pperation (w/o SD card save LCD Backlight is OFF) : x. DC 8.5 mA.		
Operating Temperature Operating Humidity Power Supply	* Alkalin (UM3, * DC 9V adapte Normal cdata and Appro. When SD	n 85% R.H. e or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). peration (w/o SD card save LCD Backlight is OFF) : x. DC 8.5 mA. 0 card save the data but and		
Operating Temperature Operating Humidity Power Supply	* Alkalin (UM3) * DC 9V adapte Normal cdata and Approx When SE LCD Back	n 85% R.H. le or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). speration (w/o SD card save LCD Backlight is OFF): xx. DC 8.5 mA. 0 card save the data but and klight is OFF):		
Operating Temperature Operating Humidity Power Supply	*.Alkalin (UM3, *.DC 9V adapte Normal c data and Approx. When SE LCD Back Approx.	n 85% R.H. le or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). operation (w/o SD card save LCD Backlight is OFF) : x. DC 8.5 mA. 0 card save the data but and dight is OFF) : x. DC 30 mA.		
Operating Temperature Operating Humidity Power Supply	* Alkalin (UM3, * DC 9V adapte Normal cdata and Appro. When SC LCD Back Appro. * Jif LCD * Jif L	n 85% R.H. le or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). operation (w/o SD card save LCD Backlight is OFF): x. DC 8.5 mA. o card save the data but and klight is OFF): x. DC 30 mA. backlight on, the power		
Operating Temperature Operating Humidity Power Supply	0 to 50 °C Less than *.Alkalin (UM3, *.DC 9V adapte Normal c data and Appro. When SC LCD Back Appro. *.If LCD consul	n 85% R.H. le or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). operation (w/o SD card save LCD Backlight is OFF) : x. DC 8.5 mA. card save the data but and klight is OFF) : x. DC 30 mA. backlight on, the power emption will increase approx.		
Operating Temperature Operating Humidity Power Supply Power Current	* Alkalin (UM3, * .DC 9V adapte Normal od data and Appro. When SE LCD Back Appro. * .If LCD to consul 14 mA	n 85% R.H. the or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power per is optional). the optional per is per is per is optional per is per is per is per is per is optional per is per		
Operating Temperature Operating Humidity Power Supply Power Current Weight	* .Alkalin (UM3) * .DC 9V adapte Normal c data and Appro: When SE LCD Back Appro: * .If LCD * .If LCD 14 mA 489 g/1	n 85% R.H. le or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). pperation (w/o SD card save LCD Backlight is OFF) : x. DC 8.5 mA. 0 card save the data but and klight is OFF) : x. DC 30 mA. backlight on, the power model. backlight on, the power model. backlight on will increase approx. backlight Backlight on, the power model. backlight on will increase approx. backlight Backlight on, the power model.		
Operating Temperature Operating Humidity Power Supply Power Current Weight	* .Alkalin (UM3) * .DC 9V adapte Normal c data and Appro: When SE LCD Back Appro: * .If LCD consuit 14 mA 489 g/1. 245 x 68	n 85% R.H. le or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). pperation (w/o SD card save LCD Backlight is OFF): x. DC 8.5 mA. D card save the data but and klight is OFF): x. DC 30 mA. backlight on, the power expression will increase approx. L. 08 LB. x 45 mm.		
Operating Temperature Operating Humidity Power Supply Power Current Weight Dimension	*.Alkalin (UM3, *.DC 9V adapte Normal c data and Approx. When SE LCD Back Approx. *.If LCD consul 14 mA 489 g/1.! 245 x 68 (9.6 x 2	n 85% R.H. le or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). operation (w/o SD card save LCD Backlight is OFF) : x. DC 8.5 mA. 0 card save the data but and dight is OFF) : x. DC 30 mA. 1 backlight on, the power mption will increase approx. 1. 08 LB. x 45 mm. 7x 1.9 inch).		
Operating Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories	Less than *.Alkalin (UM3, *.DC 9V adapte Normal c data and Approx When SE LCD Back Approx *.If LCD consui 14 mA 489 g/1.1 245 x 6x 2 * Instruct	in 85% R.H. ie or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). operation (w/o SD card save LCD Backlight is OFF) : x. DC 8.5 mA. 0 card save the data but and dight is OFF) : x. DC 30 mA. 1 backlight on, the power imption will increase approx. 1. 08 LB. 1 x 45 mm. 1.7x 1.9 inch). ction manual 1 PC		
Operating Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories Included	* Alkalin (UM3, * DC 9V adapte Normal od data and Appro. * If LCD Back Appro. * In the Interview Back Appro. * In the Inte	n 85% R.H. e or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). pperation (w/o SD card save LCD Backlight is OFF) : x. DC 8.5 mA. card save the data but and dight is OFF) : x. DC 30 mA. backlight on, the power imption will increase approx. b. 08 LB. x 45 mm. 7x 1.9 inch). ction manual		
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Operating Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	Less than * Alkalin (UM3) * DC 9V adapte Normal c data and Appro: When SE LCD Back Appro: * .If LCD consun 14 mA 489 g/1 245 x 68 (9.6 x 2 * Instruc * Sound * Sound * Sound * Sound * Sound * SP Can * RS232 Data A SW-U8 * AC to	n 85% R.H. le or heavy duty DC 1.5 V battery, AA) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). peration (w/o SD card save ILCD Backlight is OFF): x. DC 8.5 mA. co card save the data but and klight is OFF): x. DC 30 mA. backlight on, the power imption will increase approx. b. 08 LB. x 45 mm. 7x 1.9 inch). ction manual		

PATENT CHINA: ZL 2008 2 0189918.5 ZL 2008 2 0189917.0 TAIWAN: M 358970 M 359043 Germany: Nr. 20 2008 016 337.4 JAPAN: 3151214 U.S.A.: Pending