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

SOUND LEVEL METER

Model : SL-4033SD







SD Card real time data logger SOUND LEVEL METER Model : SL-4033SD

FEATURES

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* 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 SPE	CIFICATIONS	setting
Circuit	Custom one-chip of microprocessor LSI	<u> </u>
	circuit.	
Display	LCD size : 52 mm x 38 mm	
	LCD with green backlight (ON/OFF).	
Measurement	30 - 130 dB.	
Range		Over Indicat
Resolution	0.1 dB.	Data Hold
Function	dB (A & C frequency weighting),	Memory Rec
	Time weighting (Fast, Slow),	Sampling Tir
	Peak hold, Data hold	of Display
	Record (Max., Min.).	Data Output
Accuracy	Characteristics of " A " frequency	
(23 ± 5 ℃)	weighting network meet IEC 61672	
	class 1	
	Under 94 dB input signal, the accuracy	Power off
	are :	
	31.5Hz ± 2.0 dB	Operating
	63 Hz ± 1.5 dB	Temperature
	125 Hz ± 1.5 dB	Operating
	250 Hz ± 1.4 dB	Humidity
	500 Hz ± 1.4 dB	Power Suppl
	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	Power Curre
	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.	Weight
Weighting		Dimension
Network	A weighting :	
	The characteristic is simulated as "Human	Accessories
	Ear Listing" response. Typical, if making	Included
	the environmental sound level	Optional
	measurement, always select to A	Accessories
	weighting.	
	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	
	level of the tested equipment.	
Data hold	To freeze the measurement value.	
PATENT	CHINA : ZL 2008 2 0189918.5 ZL 2008 2 0189	917.0

Time Fast - t = 200 ms "Fast arge is simulated the human earge is response time weighting. Slow - t = 500 ms 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. Manual range : 3 range, 30 to 80 dB, 50 to 100 dB, 80 to 130 dB. 50 to 100 dB, 80 to 130 dB. Microphone Electric condenser microphone. Kype Out size, 12.7 mm DIA. (1/2 inch). Size Build in external calibration VR, easy to calibrate on 94 dB level by screw driver. * Calibrator B & K (Bruel & kjaer), Multifunction Acoustic Calibrator 4226. Datalogger Auto 1 second to 3600 seconds Sampling Time Sampling time can set to 1 second to 3600 seconds Sampling Time Set the sampling time to 0 second. Ø Manual Push the data logger button once will save data one time. Ø 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) * Sto memory card Format So memory card Format Over Indication Show "". Data Hold Freeze the display reading.	Peak hold	To keep value.	the peak (max.) measurement
weighting (Fast & Slow) * "Fast" range is simulated the human ear 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>Manual range</i>: 3 to 0 130 dB. Manual range : 30 to 0 100 dB, 80 to 130 dB, 50 dB on each step, with over & under range indicating. Frequency 31.5 to 16 KHz. Electric condenser microphone. Bype Dut size, 12.7 mm DIA. (1/2 inch). Size Calibration VR Build in external calibration VR, easy to calibrate on 94 dB level by screw driver. * Calibrater on 94 dB level by screw driver. Calibrator R (SC-941, optional). CALIBRATOR (SC-941, optional). Calibrator A226. Datalogger Auto I second to 3600 seconds @ Sampling time can set to 1 second but memory data may loss. Manual Dush teda 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 1 no. Memory Card SD memory card. 1 GB to 16 GB. Advanced * Set beep Sound ON/OFF * Set sampling time * SD memory card format Over Indication Show " ". Data Hold Freeze the display reading. * Connect the optional RS232 cable UPCE-02 will get the RS232 plug. * Connect the optional USB cable UPCE-02 will get the RS232 plug. * Connect the optional USB cable UPCE-02 will get the RS232 plug. * Connect the optional USB cable UPCE-02 will get the RS232 cable.<!--</td--><td>Time</td><td></td><td>200 ms</td>	Time		200 ms
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Acoustic Calibrator 4226. Sampling Time Setting range Manual Push the data logger button once will save data one time. @ Set the sampling time can set to 1 second 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) * Decimal point of SD card setting * Auto power OFF management * Set beep Sound ON/OFF * Set sampling time * Set beep Sound ON/OFF * Set sampling time * Sour power OFF management * Set Sourd Con/OFF * Set sampling time * Son memory card Format Over Indication Show " ". Data Hold Freeze the display reading. Memory Recall Maximum & Minimum value. Sampling Time Approx. 1 second. of Display Connect the optional RS232 cable Data Output RS 232/USB PC computer interface. * Connect the optional RS232 cable UPCB-02 will get the RS322 plug. Power off Auto shut off saves battery life or manual off by push button. <		CALIB	RATOR (SC-941, optional).
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* AC to DC 9V adapter.	Operating Temperature Operating Humidity Power Supply Power Current Power Current Meight Dimension Accessories Included Optional	USB-0 Auto shu manual (0 to 50 Less that * .Alkalin (UM3 * .DC 9V adapte Normal (data and <i>Appro</i> . When SE LCD Bac(<i>Appro</i> . * .If LCD consul 14 m/ 489 g/1. 245 x 68 (9.6 x 2 * Instru * Sound * Sound * Sound * Sound * Sound * Sound * Sound * Sound	1 will get the USB plug. 1 will get the USB plug. tt off saves battery life or off by push button. C. n 85% R.H. te or heavy duty DC 1.5 V battery, n A) 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. D card save the data but and klight is OFF): x. DC 30 mA. backlight on, the power mption will increase approx. k VA 55 mm. .7x 1.9 inch). ction manual
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* Soft carrying case, CA-05A.	Operating Temperature Operating Humidity Power Supply Power Current Power Current Meight Dimension Accessories Included Optional	USB-0 Auto shu manual (0 to 50 Less thai *.Alkalir (UM3 *.DC 9V adapte Normal (data and <i>Appro</i> . *.If LCD consul 14 m/ 489 g/1. 245 x 68 (9.6 x 2 * Instru * Hard (* Sound * Sound	1 will get the USB plug. it off saves battery life or off saves battery life or off by push button. C. n 85% R.H. ee or heavy duty DC 1.5 V battery, n A) x 6 PCs, or equivalent. adapter input. (AC/DC power er is optional). operation (w/o SD card save I LCD Backlight is OFF) : x. DC 8.5 mA. 0 backlight on, the power mpton will increase approx. abble, DSB-01. calibrator (94 dB), SC-941. calibrator (94 dB), SC-942. wind shield ball, SB-01 rd (2 GB) able, USB-01. cable, USB-01. cable, USB-01. cable, USB-01. cable, WIN.
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