## INTEGRATING SOUND LEVEL METER

Model: SL-4035SD *ISO-9001, CE, IEC1010* 













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## INTEGRATING SOUND LEVEL METER

	el: SL-4035SD				
FEATURES  * 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 Leq and SPL measurements.		weighting (FAST &SLOW)	* "Fast" range is simulated the human ear response time weighting. Slow - t = 1 s		
	g networks comply with standards.			" range is easy to get the average es of vibration sound level.	
* 0.5" standard microphone head.  * Time weighting (Fast & Slow) dynamic characteristic modes.  * Build External calibration VR.		Range selector			
* Auto range & Manual range selection.				ge, 30 to 80 dB,	
* Condenser mic stability.	rophone for high accuracy & long-term			130 dB, 50 dB on each step, over & under range indicating.	
	on to store the Max. & Min. value.	Frequency		8,000 Hz.	
	Hold functions.	Microphone		condenser microphone.	
	memory card Datalogger, it Built-in Clock	type		<u>_</u>	
and Calendar, real time data recorder, sampling time set from 1 second to 3600 seconds.		Microphone size	Out size, 12.7 mm DIA. ( 1/2 inch).		
	gger is available ( set the sampling	Calibration VR	Build in	external calibration VR, easy to	
time to 0 second), during execute the manual datalogger function, it can set the different position (location) No. (position 1 to position 99).			calibrate on 94 dB level by screw driver.  * Calibrated via external SOUND CALIBRATOR ( SC-942, optional ).		
	d easy operation, computer is not need to	Calibrator		Bruel & kjaer), MULTIFUNCTION	
	ftware, after execute datalogger, just take ard from the meter and plug in the SD card	Datalogger	Acoust	TIC CALIBRATOR Type 4226.  1 second to 3600 seconds	
	uter, it can download the all the measured	Sampling Time	Auto	@ Sampling time can set to 1 second	
value with the time information ( year/month/date/		Setting range		but memory data may loss.	
hour/minute/second ) to the Excel directly, then user can		-	Manual	Push the data logger button	
make the further data or graphic analysis by themselves.				once will save data one time.	
	ity: 1 GB to 16 GB. n light backlight, easy reading.			@ Set the sampling time to 0 second.	
	n light backlight, easy reading. Ito power off or manual power off.			@ Manual mode, can also select the	
	ord max. and min. reading.			1 to 99 position (Location) no.	
	r circuit, high accuracy.	Memory Card		nory card. 1 GB to 16 GB.	
	A/AA ( 1.5 V ) x 6 batteries or DC 9V adapter.	Advanced		ock time	
	C COMPUTER interface. compact housing case.	setting	( Year/Month/Date,Hour/Minute/ Second ) * Set sampling time		
	MAX-L, and MIN-L measurements.			power OFF management	
Log, SEL, SI L,	1	!		eep Sound ON/OFF	
SPECIFICATIONS		,	* Decim	nal point of SD card setting	
Circuit	Custom one-chip of microprocessor LSI			emory card Format	
Dioploy	circuit.	Over Indication		ency weighting to A or C setting	
Display	LCD size: 52 mm x 32 mm LCD with green backlight ( ON/OFF ).	Over Indication  Data Hold	Show " -	". he display reading.	
Measurement	SPL : Sound pressure level	Memory Recall		m & Minimum value.	
Туре	Leq : Equivalent Continuous Noise Level	Sampling Time		1 second.	
Measurement	30 - 130 dB.	of Display	DC 222."	HCD DC computer interfer	
Range Resolution	0.1 dB.	Data Output		USB PC computer interface. ect the optional RS232 cable	
Function	dB ( A & C frequency weighting ),			-02 will get the RS232 plug.	
	Time weighting ( Fast, Slow ),		* Conne	ect the optional USB cable	
	Peak hold, Data hold	AC acressed		01 will get the USB plug.	
Accuracy	Record ( Max., Min. ). Characteristics of " A " frequency	AC output	AC 0.5 Vrms corresponding to each range step.		
(23 ± 5 °C)	weighting network meet IEC 61672			it impedance : 600 ohm.	
	class 2	Power off	Auto shut off saves battery life or		
	Under 94 dB input signal, the accuracy			off by push button.	
	are:	Operating	0 to 50 °	<b>C</b> .	
	31.5 Hz ± 3.5 dB 63 Hz ± 2.5 dB	Temperature Operating	Less tha	Less than 85% R.H.	
	125 Hz ± 2.0 dB	Humidity	2000 1110		
	250 Hz ± 1.9 dB	Power Supply		ne or heavy duty DC 1.5 V battery	
	500 Hz ± 1.9 dB			3, AA) x 6 PCs, or equivalent.	
	1 K Hz ± 1.4 dB 2 K Hz ± 2.6 dB			/ adapter input. ( AC/DC power er is optional ).	
	4 K Hz ± 3.6 dB	Power Current		operation ( w/o SD card save	
	8 KHz ± 5.6 dB			d LCD Backlight is OFF) :	
	Remark :		Appro	ox. DC 12 mA.	
	The above spec. are tested under the			D card save the data but and	
	environment RF Field Strength less than 3 V/M & frequency less than 30			cklight is OFF) : ox. DC 51 mA.	
	MHz only.			backlight on, the power	
Frequency	Characteristics of A & C.			imption will increase approx.	
Weighting			30 mA		
Network	A weighting:	Weight	489 g/1.		
	The characteristic is simulated as "Human Ear Listing" response. Typical, if making	Dimension		B x 45 mm. 2.7x 1.9 inch ).	
	the environmental sound level	Accessories		iction manual1 PC	
	measurement, always select to A	Included		carrying case, CA-061 PC	
	weighting.	Optional	* Sound	d calibrator ( 94 dB ), SC-941.	
	Cuminhting	Accessories		d calibrator (94/114 dB), SC-942.	
	C weighting:		Sound wind shield ball, SB-01     SD Card ( 2 GB )     USB cable, USB-01.     RS232 cable, UPCB-02.		
	The characteristic is near the "FLAT" response. Typical, it is suitable for				
	checking the noise of machinery (Q.C.				
	check) & knowing the sound pressure			Acquisition software,	
		1 1	1 014/11/		
	level of the tested equipment.			801-WIN.	
Peak hold	level of the tested equipment.  To keep the peak ( max. ) measurement value.		* AC to	801-WIN. DC 9V adapter. arrying case, CA-05A.	

value. \* Appearance and specifications listed in this brochure are subject to change without notice.