Auto range, AC output, Memory

SOUND LEVEL METER

Model: SL-4012



Q Tehran, Tehransar FEATURES

- * Large LCD display, easy to read. Frequency weighting meet
- * IEC 61672 class 2.
- * Auto range & manual range.
- * A & C frequency weighting.
- * Fast & Slow time weighting
- * AC output for system expansion.
- * RS232 computer interface.
- * External calibration VR.
- * Hold & Memory record.
- * High accuracy condenser microphone
- * Peak Hold.
- * Over and under load indicator.
- * LCD display.
- * Durable, strong light weight ABS-plastic housing case.

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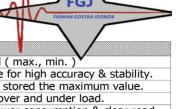
The Art of Measurement



SOUND LEVEL METER

DIGITAL SOUND LEVEL METER

Model : SL-4012



FEATU	JRES \/	
* Large LCD display, easy to read.	* Hold & Memory record (max., min.)	
* Frequency weighting networks are designed to meet	* Condenser microphone for high accuracy & stability.	
IEC 61672 class 2.	* Peak Hold function for stored the maximum value.	
* Auto range & mamual range.	* Warning indicator for over and under load.	
* A & C weighting networks are conformity to standards.	* LCD display for low power consumption & clear read-	
* Fast & Slow dynamic characteristic modes.	out even in bright ambient light condition.	
* AC output for system expansion.	* Used the durable, long-lasting components, including	
* RS232/USB computer interface.	a strong light weight ABS-plastic housing case.	
* Build in adj. VR is available for easy calibration.	* Compact and light weight plastic housing.	

	SPECIFICATIONS		
Display	52 mm x 32 mm LCD (Liquid Crystal Display), 5 digits.		
Function	dB (A & C frequency weighting), Time weighting(Fast, Slow), Hold,	Memory (max. &	
	min.), Peak hold, AC & RS232 output.		
Measurement Range			
Resolution	0.1 dB.		
Accuracy $(23 \pm 5 \ C)$	Frequency weighting meet IEC 61672 class 2, calibrating input signa 8 kHz), then the accuracy of frequency weighting is specified as foll 31.5 Hz - ± 3.5 dB, 63 Hz - ± 2.5 dB, 125 Hz - ± 2.0 dB 250 Hz - ± 1.9 dB, 500 Hz - ± 1.9 dB, 1 kHz - ± 1.4 dB 2 kHz - ± 2.6 dB, 4 kHz - ± 3.6 dB, 8 kHz - ± 5.6 dB	al on 94 dB(31.5 Hz to lowing:	
	Characteristics of A & C.		
Frequency Weighting Network	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. Typica checking the noise of machinery (Q.C. check) & know pressure level of the tested equipment.		
Frequency	31.5 Hz to 8,000 Hz.		
Calibrator	B & K (Bruel & kjaer), multi-fuction acoustic calibrator, model : 4226.		
Microphone type	Electric condenser microphone.		
Size of microphone	1/2 inch standard size.		
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 dB on each step, with over & under range indicating.		
Time Weighting (Fast & Slow)	Fast - t= 200 ms, Slow - t = 500 ms, * "Fast" range is simulated the human ear response time weighting. "Slow" range is easy to get the average values of vibration sound level. * The "Fast" & "Slow" time weighting range are designed to IEC 61672 class 2 requirement.		
Output Signal	* AC output - AC 0.5 Vrms corresponding to each range step. Output impedance - 600 ohm. * RS232 output.		
Output terminal	Terminal 1: RS232 computer interface terminal. Terminal 2: AC output terminal. * Terminal socket size: 3.5 mm dia. phone socket.		
Calibration VR	Build in external calibration VR, easy to calibrate on 94 dB level by screw driver.		
Operating Temp.	0 °C to 50 °C (32°F to 122°F).		
Operating Humidity	Less than 80% RH.	يتروفرهان گستر جنوب_	
Power Supply	006P DC 9V battery (Alkaline or heavy duty type).	پروفرهان دستر جنوب	
Power Consumption	Approx. DC 6mA.	FGJ-NDT.IR	
Dimension	268 x 68 x 29 mm (10.6 x 2.7 x 1.1 inch).	- במז-ווחוידע	
Weight	295 g/0.65 LB.	DIGINDT.IR	
	Instruction Manual1 PC.	DIGINDI.IK	
Optional	Sound Calibrator, model : SC-941 (94 dB). SC-942 (94dB, 114 dB Carrying case : CA-06). © +982165565901	
	Wind shield ball, SB-01		
	RS232 cable, Model: UPCB-02	© +982144584619	
	USB cable, Model : USB-01 Application software, Model : SW-U801-WIN	O +989034119385	
* Appearance and specific	cations listed in this brochure are subject to change without notice.	1001-SL4012	