Frequency and time weighting meet IEC 61672, Class 1

SOUND LEVEL METER

Model : SL-4022 *ISO-9001, CE, IEC1010*

LUTRON ELECTRONIC

The Art of Measurement

Frequency weighting and time weighting meet IEC 61672 Class 1

DIGITAL SOUND LEVEL METER

Model : SL-4022

FEATURES	
* Frequency weighting and time weighting are meet IEC 61672 Class1.	* Max. Hold function for stored the maximum value on display.
	* Warning indicator for over and under load.
* Large LCD display, easy to read.	* LCD display for low power consumption & clear read-out even in bright ambient light condition.
* A & C weighting networks are conformity to standards.	
* FAST & SLOW dynamic characteristic modes.	* Used the durable, long-lasting components, including a strong, light weight ABS-plastic housing case.
* AC output for system expansion.	
* Build in adj. VR, available for easy calibration.	* Compact and heavy duty housing case.
* Condenser microphone for high accuracy & long-term stability.	* Low battery indicator.
* Build max. hold reset switch.	

SPECIFICATIONS	
Display	1 8 mm (0.7") LCD (Liquid Crystal Display), 3 1/2 digits.
Function	dB (A & C frequency weighting), Time weighting (Fast, Slow), Max. hold, Max. hold reset, AC output.
Measurement Range	3 ranges (30 - 70 dB, 60 - 100 dB, 90 - 130 dB),
Resolution	0.1 dB.
Accuracy (23 ± 5 ℃)	Frequency weighting (31.5 Hz to 16 KHz) meet IEC 61672 Class1, calibrating input signal on 94 dB the accuracy of A/C weighting is specified as following: 31.5 Hz : ± 2.0 dB, 63 Hz : ± 1.5 dB, 125 Hz : ± 1.5 dB, 250 Hz : ± 1.4 dB, 500 Hz : ± 1.4 dB, 1 KHz : ± 1.1 dB, 2 KHz : ± 1.6 dB, 4 KHz : ± 1.6 dB, 8 KHz : + 2.1 dB to -3.1 dB, 12.5 KHz : + 3.0 dB to -6.0 dB, 16 KHz : + 3.5 dB to -17.0 dB.
Frequency Weighting Network	Characteristics of A & C.
	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 checking the noise of machinery (Q.C. check) & knowing the sound pressure level of the tested equipment.
Frequency	31.5 Hz to 16 KHz.
Calibrator	B & K (Bruel & kjaer), multi-fuction acoustic calibrator, model : 4226.
Microphone	Electric condenser microphone.
Size of Microphone	1/2 inch standard size.
Range Selector	30 to 70 dB, 60 to 100 dB, 90 to 130 dB, 40 dB on each step, with over & under range indicating.
Time Weighting Fast & Slow (F & S)	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 1 requirement.
Output Signal	AC output - AC 750 mVrms corresponding to each range step.
Calibration	Build in external calibration VR, easy to calibrate on 94 dB level by screw driver. Internal oscillation system, 1 KHz sine wave generator.
Output Terminal	3.5 mm dia. phone output terminal is provided for connection with analyzer, level recorder, tape recorder.
Operating Temp.	0 ℃ to 50 ℃ (32 ℉ to 122 ℉).
Operating Humidity	Less than 80% RH.
Power Supply	DC 9V battery x 2 PCs, 006P, MN1604 (PP3) or equivalent, heavy duty or alkaline type.
Power Consumption	Approx. DC 17 mA.
Dimension	260 x 87 x 36 mm (10.2 x 3.4 x 1.4 inch).
Weight	450 g/0.99 LB
Standard Accessories	Instruction Manual..... 1 PC. Calibration screw driver..... 1 PC. Carrying case..... 1 PC.
Optional Accessories	94 dB Sound Calibrator, model : SC-941. 94/114 dB Sound Calibrator, model : SC-942. Wind shield ball, SB-01.

SOUND LEVEL METER CALIBRATOR, Model : SC-941, SC-942

SPECIFICATIONS		
Futures	Precision 94 dB/1000 Hz sound calibrator, useful to calibrate Sound Level Meter.	
Frequency	1000 Hz ± 2 %.	
Sound Pressure Level	SC-941	94 dB : ± 0.75 dB.
	SC-942	94 dB : ± 0.75 dB, 114 dB : ± 0.9 dB.
Microphone Type	0.5" microphone & 1" microphone.	
Size	Round 50 mm dia. x 82 mm.	

* Appearance and specifications listed in this brochure are subject to change without notice. 0703-SL4022