



Lutron SL-4012 SOUND LEVEL METER WITH AUTO-RANGE AND RS-232C



- **Large LCD display**, easy to read
- **Main functions** are designed to meet IEC 651 type 2
- **A & C weighting networks** comply with standards
- **0.5" standard** microphone head
- **Time weighting** (Fast & Slow) dynamic characteristic modes
- **AC output** for system expansion
- **RS232** computer interface
- **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 MAX. Hold** functions
- **LCD display** for low power consumption & clear read-out even in bright ambient light condition

- **Operation key** used push button
- **Using the durable**, long-lasting components, including a strong, light weight ABS-plastic housing case
- **Small and light weight** design allow one hand operation

SPECIFICATIONS

Display:	52 mm x 32 mm LCD (Liquid crystal display), 5 digits with annunciator
Function:	dB (A & C frequency weighting), Time weighting (Fast, Slow), Hold, Memory (Max. & Min.), Max. hold, AC output, RS232 output
Measurement range:	30 - 130 dB
Resolution:	0,1 dB
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
Frequency:	31,5 to 8.000 Hz
Microphone type:	Electric condenser microphone
Microphone size:	Out size, 12.7 mm DIA. (0.5 inch)
Weighting Network:	Characteristics of A & C
Time weighting (Fast & Slow):	Fast: t=200 ms, Slow: t=500 ms "Fast" range is simulated the human ear response time "Slow" range is easy to get the avg. values of vibration sound level The "Fast" & "Slow" response range are designed to meet IEC 651 type 2 requirement
Calibrator:	B&K (Bruel & Kjaer) multifunction acoustic calibrator 4226
Output Signal:	AC output: AC 0.5 Vrms corresponding to each range step Output impedance - 600 ohm RS232 output
	Terminal 1: RS232 computer interface terminal, photo couple

Output terminal:	isolated 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 Temperature:	0 to 50°C (32 to 122°F)
Operating humidity:	less than 80%RH
Power Consumption:	approx. DC 6 mA
Dimension:	268 x 68 x 29 mm (10,6 x 2,7 x 1,1 inch)
Weight:	285 gr. (0,63 lb), including battery
Accessory included:	Instruction Manual
Optional Accessories:	94 dB Sound Calibrator: SC-941 94 & 114 dB Sound Calibrator: SC-942 RS232 cable (isolated RS232 cable): UPCB-02 Application windows software: SW-U801-WIN