

*hybrid power, Patent*

# GREEN POWER SOUND LEVEL METER

Model : SL-4113G

ISO-9001, CE, IEC1010

02-2389-0101 04-2227-0088



No battery  
Generator power



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*The Art of Measurement*

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## FEATURES

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* Hybrid power, power supply from green power ( handy generator ) or battery. If power source come from " Green power ", battery is no need. Operate the generator 30 seconds will offer several minutes energy typically.
* Main functions are designed to meet IEC 61672 class 2.
* A & C weighting networks comply with standards.
* 0.5" standard microphone head.
* Time weighting (Fast & Slow) dynamic characteristic modes.
* RS232/USB 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 Peak Hold functions.
* Operation key used push button.
* LCD display for low power consumption & clear read-out even in bright ambient light condition.
* 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	40 mm x 32 mm LCD (Liquid crystal display).
Function	dB ( A & C frequency weighting ), Time weighting ( Fast, Slow ), Hold, Memory (Max. & Min. ), Peak hold, RS232 output.
Measurement Range	30 - 130 dB.
Resolution	0.1 dB.
Accuracy ( $23 \pm 5 \text{ }^\circ\text{C}$ )	* Meet IEC 61672 class 2, tested under Input signal level on 94 dB & frequency range from 31.5 Hz to 8 k Hz, refer to page 12.
Range selector	<i>Auto range :</i> 30 to 130 dB. <i>Manual range :</i> 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 61672 class 2 requirement.
Calibrator	B & K (Bruel & kjaer), MULTIFUNCTION ACOUSTIC CALIBRATOR 4226.
Output Signal	Serial data interface.
Output terminal	* Connect the optional RS232 cable UPCB-02 will get the RS232 plug ( D9 plug ).. * Connect the optional USB cable USB-01 will get the USB plug.  <i>Terminal socket size :</i> 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 to 50 °C ( 32 to 122 °F ).
Operating Humidity	Less than 80% RH.
Power Supply * Hybrid power	<b>Green power :</b> Power from the handy generator, battery is no need.  <b>Battery power :</b> DC 9V battery, 006P, MN1604(PP3) or equivalent. * Alkaline or heavy duty type.
Power Consumption	Battery power : Approx. DC 10 mA.
Dimension	240 x 69 x 38 mm (9.4 x 2.7 x 1.1.5 inch).
Weight	390 g/0.86 LB (including battery).
Accessory Included	Instruction Manual ..... 1 PC.
Optional Accessories	<i>94 dB Sound Calibrator :</i> Model : SC-941. <i>94 dB/114 dB Sound Calibrator :</i> Model : SC-942. <i>Sound wind shield ball</i> Model : SB-01 <i>RS232 cable ( isolated RS232 cable ) :</i> Model : UPCB-02. <i>USB cable</i> Model : USB-01 <i>Application windows software :</i> Model : SW-U801-WIN.

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