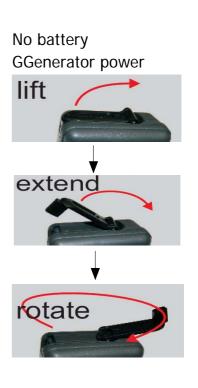
# hybrid power, Patent

# GREEN POWER SOUND LEVEL METER

Model: SL-4113G *ISO-9001, CE, IEC1010* 









The Art of Measurement

# **GREEN POWER SOUND LEVEL METER**

Model: SL-4113G

### **FEATURES**

* 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	30 - 130 dB.		
Range			
Resolution	0.1 dB.		
Accuracy	* Meet IEC 61672 class 2, tested under		
(23±5℃)	Input signal level on 94 dB &		
	frequency range from 31.5 Hz to		
	8 k Hz.		
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 - $t = 200 \text{ ms}$ , Slow - $t = 500 \text{ ms}$ ,		
( Fast & Slow )	* "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), MULTIFUCTION		
	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.		
	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 to 50 °C ( 32 to 122 °F ).		
Operating Humidity	Less than 80% RH.		
Power Supply	Green power :		
* Hybrid power	Power from the handy generator,		
	battery is no need.  Battery power:		
	DC 9V battery, 006P, MN1604(PP3) or		
	equivalent.		
	* Alkaline or heavy duty type.		
Power	Battery power : Approx. DC 10 mA.		
Consumption			
Dimension	240 x 69 x 38 mm (9.4 x 2.7 x 1.5 inch).		
Weight	390 g/0.86 LB (including battery).		
Accessory Included	Instruction Manual 1 PC.		
Optional	94 dB Sound Calibrator :		
Accessories	Model: SC-941.		
	94 dB/114 dB Sound Calibrator :		
	Model: SC-942.		
	Sound wind shield ball		
	Model: SB-01		
	RS232 cable ( isolated RS232 cable ) :		
	Model: UPCB-02.		
	USB cable: Model: USB-01		
	Data acqusition software :		
	Model: SW-U801-WIN, SW-E802		
	Hard carrying case: Model: CA-06		

PATENT	CHINA: ZL200620012764.3	GERMANY: Nr.202006007329.9	TAIWAN : M299401
	JAPAN: 3130269	U.S.A. : PENDING	

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