## hybrid power, Patent

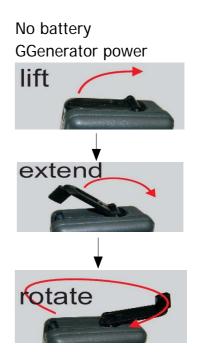
## GREEN POWER SOUND LEVEL METER

**Model: SL-4113G** 

ISO-9001, CE, IEC1010

02-2389-0101 04-2227-0088









The Art of Measurement

## **GREEN POWER SOUND LEVEL METER**

Model: SL-4113G 02-2389-0101 04-2227-0088

FEATURES www.YALAB.com.tw

* 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 °C)	Input signal level on 94 dB &
	frequency range from 31.5 Hz to
	8 k Hz, refer to page 12.
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.

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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
Calibrator	class 2 requirement.
	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 $^{\circ}\mathrm{C}$ ( 32 to 122 $^{\circ}\mathrm{F}$ ).
Operating Humidity	Less than 80% RH.
Power Supply	Green power :
* Hybrid power	Power from the handy generator,
r yana pene.	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	battery power . Approx. DC 10 ma.
Dimension	240 v 40 v 29 mm (0.4 v 2.7 v 1.1 E inch)
	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	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
İ.	A 1' 1' 1 C
	Application windows software :

 $<sup>^{\</sup>star}$  Appearance and specifications listed in this brochure are subject to change without notice.