

Sound Level Meter

8921

**Digital Display With Analog Graph • Background Noise Absorber •
Max / Min Record, Max Hold • RS232 Interface (Optional) • Meets IEC 651, Type 2 Class**



**Calibrations Comply with ISO / IEC methods and are traceable to NIST
USA & NML / ROC**

Conforms to :
CE Rating
EN.50081 – 1/1992,
EN.55022,
EN.50082 – 1/1997,
EN.61000 – 4-2/-3/-8, (ENV 50204)
Council Directive :- 89 / 336 / EEC

Features

- Meets IEC 651 (-2 Class);ANSI S1.4, type2 standard.
- Quasi-Analog bar indicator:1dB display steps, 50dB display range, updated every 50ms
- Measurement level range features 6 ranges
- Background noise absorber mode filters ambient sounds.
- Fast (125 msec.) or Slow (1 sec.) response 3 times.
- Record Max / Min. & Maximum Hold function
- A / C Weighting selectable
- Microphone : 6mm (Dia.)electric condenser type.
- Low battery indicator
- Optional RS232 software (Disk & PC cable) & AC & DC Analog Output
- Serial format: 2400Baud rate, 1 Stop bit, 8 Data bits. N: xxx,
- xdB Monitor the sound levels from traffic noise, alarm systems and workplace machinery
- Multi-Frequency calibration to ensure quality stable.
- Automatic & Manual Ranging & Automatic Shut Off

Specifications

Auto range :	30 - 130dB.	Measurement frequency range :	31.5Hz - 8KHz.
Big LCD :	42x64mm.	Measurement level A weighting :	30dB to 130dB.
Measurement level range :		Measurement level C weighting :	35dB to 130dB.
6 ranges in 10-dB steps:		Operation temperature :	0 to 50 ,10 to 90%RH
	30 - 80dB	Storage temperature : :	-20 to 60
	40 - 90dB	Meter includes hard ABS case, battery, manual.	
	50 - 100dB	Battery life : 20 hours typical (9V)	
	60 - 110dB	Dimensions (meter WxHxT) : 80 x 256 x 38mm	
	70 - 120dB		
	80 - 130dB.		
Accuracy :	±1.5dB (under reference condition)		
Digital display :	3-1/2 digit LCD, 0.1dB resolution updated 0.5seconds		
Analog output :	AC:0.707vrms(at full scale) DC:10mV/ dB		



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Sound Level Meter Comparison

<u>Specifications</u>	<u>8921</u>	<u>8925</u>	<u>8928</u>
Accuracy +/-	1.5 dB	2 dB	2 dB
A/C Weighting	●	●	●
Auto Power Off	●	●	●
Backlight		●	
Power Check	●	●	●
Hard Carrying Case	●	●	
CE Approval	●	●	●
Colour Box / White Box		●	●
Resolution	0.1 dB	0.1 dB	0.1 dB
Hold Data	●	●	●
RS232 Interface	o		
Auto Range	●	●	
Background Absorber	●		
Digital Display	●	●	●
Fast / Slow Response	●	●	●
Max. Hold	●	●	●
Max. Min. Average	●	●	●
Tripod Mountable	●	●	●
Range (minimum)	30 dB	30 dB	30 dB
Range (maximum)	130 dB	130 dB	130 dB
Response time	125 ms to 1 sec		
Size : Length (mm)	80	57	72
Size : Width (mm)	256	230	182
Size : Thickness (mm)	38	44	38

● = Yes o = Optional

