

FEATURES

- A and C frequency weightings
- Maximum function
- 30dB to 130dB measurement ranges
- Battery-powered

RS PRO SLM52N Sound Level Meter 8kHz 30→130dB

RS Stock No.: 123-2225



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

From the RS PRO brand, the SLM52N is a great value, easy-to-use sound level meter designed to meet the requirements of health and safety officers for sound level monitoring in industrial and office environments. Both AC and DC signal outputs are available from a single standard 3.5 mm coaxial socket suitable for use with a frequency analyser, level recorder, FFT analyser or graphic recorder.

General Specifications

Model Number	SLM52N
Sound Level Measurement Range	30dB to 130dB
Microphone	1/2 inch Electret condenser microphone
Frequency Range	31.5Hz to 8KHz
Resolution	0.1dB
Accuracy Class	ANSI S 1.4: 1983 Type 2, IEC 61672:2013 Class 2
Frequency Weighting	A and C
Time Weighting	Fast and Slow
Output	1Vrms (at full scale) , 10mVDC / dB
Display Type	LCD
Applicable Standards	IEC61672-1: 2002 Class 2, IEC60651: 1979 Type 2, ANSI S1.4: 1983 Type 2

Electrical Specifications

Power Source	One 9V battery
Battery Type	AA, PP3 / 3 x AA Alkaline or rechargeable
Battery Included	Yes / No
Battery Life	about 25 hours
External Power	5V via USB 2.0 'Mini B' socket
Plug Type	BS 1363

Mechanical Specifications

Dimensions	264mmx68mmx27mm
Weight	Approx. 260g

Operation Environment Specifications

Operating Humidity	R.H. < 90% non-condensing
Operating Temperature Range	-10°C to 50°C
Storage Temperature Range	-10°C to 60°C

Approvals

Compliance/Certifications	RoHS
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SPECIFICATION:

Applicable standards	IEC61672-1 : 2013 Class 2, ANSI S1.4 : 1983 Type 2
Digital display	4 digit LCD , 0.1dB resolution, updated every 1s
Measurement level	30dB to 130dB
Measurement frequency range	31.5 Hz to 8KHz
Frequency weighting	A and C
Time weighting	Fast and Slow
Microphone	1/2 inch Electret condenser microphone
Measurement level range	5 ranges in 10-dB step : 30 ~ 90dB, 40 ~ 100dB, 50 ~ 110dB, 60 ~ 120dB, 70 ~ 130dB
Quasi-analog bar indicator	1-dB steps, 60dB display range , updated every 0.125s
Display warning function Overrange indicator Underrange indicator	Ov Displayed at the upper limit Un Displayed at the lower limit
Manual data memory capacity	99 sets
Analogue AC / DC output	1Vrms (at full scale) , 10mVDC / dB
Power supply	One 9V battery (006P or IEC6F22)
Battery Life	about 25 hours
Operating temperature & humidity	-10°C to 50°C (14°F to 122°F) R.H. < 90% non-condensing
Storage temperature & humidity	-10°C to 60°C (14°F to 140°F) R.H. < 70% non-condensing
Dimensions	264x68x27mm
Weight	Approx. 260g
Accessories	Battery 9V, Screwdriver (adjustment), 3.5φ plug (3pin AC/DC output), Carrying case, Instruction manual.