

## FEATURES

- Dynamic range of 60dB
- Five ranges from 30dB to 130 dB
- A&C frequency weightings
- Sound level alarm output

## RS PRO Digital Sound Level Meter 8kHz

RS Stock No.: 146-4650



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 trusted RS PRO brand, this RS-1150 sound level meter is a great value, easy-to-use solution to measuring sound levels and ambient noise. 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

<b>Sound Level Measurement Range</b>	30dB – 90dB, 45dB – 110dB or 65dB – 130dB in 3 ranges.
<b>Selectable ranges</b>	30dB– 90dB, 45dB – 110dB, 65dB – 130dB
<b>Microphone</b>	1/2 inch Electret condenser microphone
<b>Frequency Range</b>	31.5Hz to 8kHz
<b>Resolution</b>	0.1dB
<b>Frequency Weighting</b>	A, C, Z
<b>Time Weighting</b>	Fast (F), Slow (S) and Impulse (I) according to IEC 61672-1 class 2
<b>Output</b>	1Vrms (at full-scale of the range) 10mV/dB
<b>Display Type</b>	LCD
<b>Data Logging</b>	No
<b>Calibration Availability</b>	Acoustic using sound calibrator Calibration check frequency is 1000Hz
<b>Applicable Standards</b>	IEC 61672-1: 2013 Class 2, ANSI S1.4: 1983 Type 2

## Electrical Specifications

<b>Power Source</b>	Battery
<b>Battery Type</b>	NEDA 1604
<b>Battery Life</b>	Approx. 24 hours

## Mechanical Specifications

<b>Dimensions</b>	246mm(L)×64mm(W)×26mm(H)
<b>Height</b>	26mm
<b>Width</b>	64mm
<b>Depth</b>	246mm
<b>Weight</b>	Approx. 180g

## Operation Environment Specifications

<b>Operating Humidity</b>	30% to 90%RH non-condensing
<b>Operating Temperature Range</b>	-10°C to +50°C
<b>Storage Temperature Range</b>	-10°C to +60°C

## Approvals

<b>Compliance/Certifications</b>	RoHS
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## SPECIFICATIONS

<b>Applicable standards</b>	IEC 61672-1: 2013 Class 2, ANSI S1.4: 1983 Type 2
<b>Display screens</b>	4 digit numerical indication of sound level, from 30.0 to 130.0dB with 0.1dB resolution
<b>Level range selection</b>	30 – 90dB, 45 – 110dB, 65 – 130dB
<b>Typical instrument frequency range</b>	31.5Hz to 8kHz
<b>Microphone</b>	1/2 inch Electret condenser microphone
<b>Data logger capacity</b>	micro SD CARD 4GB (Maximum 99 blocks) <b>(1151)</b>
<b>Warning Indicator</b>	OVER displayed at upper limit of the range UNDER displayed at lower limit of the range
<b>AC output</b>	1Vrms (at full-scale of the range)
<b>DC output</b>	10mV/dB
<b>Operating temperature &amp; humidity</b>	-10°C to +50°C, 30% to 90%RH non-condensing
<b>Storage temperature &amp; humidity</b>	-10°C to +60°C, <70%RH non-condensing
<b>Power supply</b>	One 006P 9V or IEC 6F22 or NEDA 1604 Battery
<b>Battery life</b>	Approx. 24 hours <b>(1150)</b> Approx. 7 hours <b>(1151)</b>
<b>Dimensions</b>	246(L)×64(W)×26(H)mm
<b>Weight</b>	Approx. 180g
<b>Accessories</b>	Instruction manual, Battery, Carrying case, 3.5φ plug, Adjustment screwdriver, windscreen, CD Software <b>(1151)</b> , micro-USB Cable <b>(1151)</b> .
<b>Optional accessory</b>	AC adaptor DC9V 100mA <b>(1151)</b>