

## FEATURES

The sound analyzer meter allows digital 1/1-octave and 1/3-octave analysis in real time.

- ☐ 1/1 octave band analysis from 31.5Hz to 8kHz  
1/3 octave band analysis from 25Hz to 10kHz
- ☐ Perform 1/1 octave and 1/3 octave band analysis simultaneously
- ☐ microSD card
- ☐ USB interface with PC
- ☐ Data Logger function
- ☐ Real time clock with calendar
- ☐ Both AC and DC signals output is available for level recorder, graphic recorder
- ☐ Comparator output function
- ☐ External trigger input function
- ☐ TFT LCD display (320x240 dots)

## RS PRO Sound Level Meters

RS Stock No.: 146-4654



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

### ATTRIBUTE 1

Please provide an introduction to the product with relevant product details which state

- What are the products used for
- Applications they are most suited for or not suited for
- What are they used with etc

## General Specifications

<b>Applicable standards</b>	IEC 61672-1: 2013 Class 2, IEC 61260-1: 2014 Class 2, ANSI S1.11: 2004 Class 2, ANSI S1.4: 1983 Type 2, ANSI S1.43: 1997 Type 2
<b>Microphone</b>	1/2-inch Electret condenser microphone
<b>Measurement range</b>	30 to 130dB
<b>Measurement level range</b>	20 to 90dB, 20 to 100dB, 20 to 110dB, 30 to 120dB, 40 to 130dB
<b>Measurement function</b>	Lp, Leq, L <sub>E</sub> , L <sub>max</sub> , L <sub>min</sub> , L <sub>05</sub> , L <sub>10</sub> , L <sub>50</sub> , L <sub>90</sub> , L <sub>95</sub>
<b>Frequency range</b>	25Hz to 10KHz
<b>Frequency weighting</b>	A, C and Z
<b>Time weighting</b>	Fast, Slow, $\tau=10\text{ms}$ , Impulse
<b>Accuracy</b>	$\pm 1.0\text{dB}$ (ref 94dB @ 1KHz)
<b>Display</b>	3.5" 320x240 TFT – LCD display with back light
<b>1/1 Octave and 1/3 Octave band filters</b>	1/1 Octave band center frequencies : (9 bands) 31.5Hz, 63Hz, 125Hz, 250Hz, 500Hz, 1KHz, 2KHz, 4KHz and 8KHz 1/3 Octave band center frequencies : (27 bands) 25Hz, 31.5Hz, 40Hz, 50Hz, 63Hz, 80Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1KHz, 1.25KHz, 1.6KHz, 2KHz, 2.5KHz, 3.15KHz, 4KHz, 5KHz, 6.3KHz, 8KHz, 10KHz
<b>Memory capacity</b>	Manual (250 data sets), Auto (250 blocks on microSD card)
<b>Signal output</b>	AC output: 1 Vrms (at full scale) DC output: 10mV/dB
<b>Power</b>	4 pcs of C size 1.5V (LR14) batteries
<b>External DC power supply</b>	6V, 1A
<b>Battery life</b>	Approx. 2hrs
<b>Operating Temperature/Humidity</b>	-10°C to 50°C, 10 to 90% RH
<b>Dimensions &amp; Weight</b>	34.5(H)x10(W)x6(D) cm & Approx. 950g (including batteries)
<b>Accessories</b>	Instruction manual, Alkaline battery x 4, Hard carry case, CD-ROM, USB cable, microSD card, Windscreen, 3.5 $\phi$ plug, AC adaptor.



Sound Level Meters

Mechanical Specifications

Electrical Specifications

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Protection Category

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Classification

eCl@ss (Version)	
UNSPSC (Version)	

Approvals

Declarations	MFR Declaration of Conformity
Hazardous Area Certification	ATEX / IECEx
Standards Met	VDE

Similar Products

Stock No.	Brand	Product Name	Attribute 1	Attribute 2	Attribute 3
XXX-XXXX	RS PRO				
XXX-XXXX	RS PRO				

