

## VOLTCRAFT – TOP PERFORMANCE IN EVERY WAY

For more than 40 years, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

## SL-100 DIGITAL SOUND LEVEL METER



### Item no. 2633254

This sound level detector is a digital meter for measuring the sound level in decibels (dB). It has the accuracy class 3 for orientation measurements (e.g. to determine whether a particular noise limit has been exceeded). The values detected and the momentary units/functions are displayed digitally on a large LCD (Liquid Crystal Display).

### FEATURES

Measuring range 31.5 Hz to 8 kHz // Sound level range 30 to 130 dB // Resolution 0.1 dB (refresh 0.5s)

### TECHNICAL DATA

Compliance to standards	EN 61672-1:2014-07 (IEC 61672:2013)
Battery	1x 9 V Block battery (006P, MN1604)
Current consumption	approx. 8 mA
Battery service life	approx. 50h (alkaline battery)
Auto power-off	after approx. 8 minutes if no button is pressed
Display	3.5-digit LCD
Resolution	0.1 dB (refresh 0.5s)
Accuracy	±2 % (Class 3)
Microphone	1/2" electret capacitor microphone
Frequency range	31.5 Hz to 8 kHz
Sound level range	30 to 130 dB Lo: 30 to 100 dB / Hi: 60 to 130 dB
Frequency evaluation	A and C
Time evaluation	FAST (125 ms) / SLOW (1s)
Working conditions	0 to +40 °C, 10 – 90 % RH (non-condensing)
Storage conditions	-10 to +60 °C, 10 – 75 % RH (non-condensing)



Weight (incl. battery)	approx. 230 g
Dimensions (L x W x H)	210 x 55 x 32 mm

The following table shows the frequency response for the sound incidence from the reference direction ("Characteristic" column) as well as the error limits of both devices ("Accuracy" column).

Rated frequency	A-Characteristic	C-Characteristic	Accuracy
31.5 Hz	-39.4 dB	-3.0 dB	±4 dB
63 Hz	-26.2 dB	-0.8 dB	±3 dB
125 Hz	-16.1 dB	-0.2 dB	±2 dB
250 Hz	-8.6 dB	0 dB	±2 dB
500 Hz	-3.2 dB	0 dB	±2 dB
1 kHz	0 dB	0 dB	±2 dB
2 kHz	+1.2 dB	-0.2 dB	±3 dB
4 kHz	+1 dB	-0.8 dB	±5 dB
8 kHz	-1.1 dB	-3.0 dB	±6 dB

## EQUIPMENT

Replaceable 9 V block battery // 3.5-digit LCD // Data hold function // Auto power-off // Hi/Lo measurement range // Time evaluation modes (fast/slow) // A/C evaluation curves // Maximum value memory function

## PACKAGE CONTENTS

Sound level detector with windshield // Compound 9 V battery // Operating instructions