

4011

Sound Calibrator

Class 1 according IEC 60942

- frequency 1000 Hz
- sound pressure level 114 dB
- microphones 1/2" and 1/4"



The 4011 is a sound calibrator conforming to IEC 60942 class 1 and ANSI S1.40 for the calibration and the verification of microphones and sound level meters. It generates a sound pressure level of 114 dB at a frequency of 1000 Hz for the verification of the calibration of sound level meters. Each sound calibrator is supplied with an individual calibration certificate.

The reference microphone and control circuit together maintain a constant sound pressure level inside the calibration coupler and automatically adjust for changes in load volume, temperature, atmospheric pressure and relative humidity. The sound calibrator can be used for 1/2" and 1/4" microphones.

Delivery

in a leather case 110 mm x 60 mm x 50 mm

black

order number 610203

Accessories

adapter 1/4"

4011-3

order number 600213

Technical Specifications



Level and frequency at reference conditions (23°C / 101.325kPa / 50%rh) Level in dB relative to 20 μ Pa	1000 Hz (1000.00 \pm 1.00Hz)	(114.0 \pm 0.2)dB
Distortion		max. 2.0%
Stabilizing time		20 seconds
Sensitivity to environmental conditions		as specified for IEC 60942 Class 1
Microphone size	without adapter with adapter 4011-3	(1/2)" (1/4)"
Battery type	2x LR03 alkaline batteries	AAA-size acc. ANSI/NEDA
Power supply		2 V to 3.4 V
Battery life automatically switching off if battery voltage too low		>10 hours
LED indicator		two-colour LED
Environmental range for specified operation	Temperature Relative humidity Atmospheric pressure	-10°C to +50°C 25% to 90% 65 kPa to 108 kPa

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