

# Class 2 Sound Calibrator

## 114 dB



Sound Calibrator Class 2

1/4" Calibration Adapter for  
M4261 Measurement Microphone

**The battery-operated Class 2 Sound Calibrator is classified for the calibration of class 2 measurement microphones, sound level meters and other acoustic measurement equipment. This microphone calibrator delivers 114 dB at a frequency of 1 kHz.**

The Sound Calibrator features a stable sound pressure independent of the battery condition. It guarantees a reliable output and will turn off automatically to preserve battery.


### Key Features

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- Output level: 114 dB
- Output frequency: 1 kHz
- Compliant with standards IEC 60942-1:2017 and ANSI S1.40-2006 (R2016)
- Battery-operated
- for 1/2" and 1/4" measurement microphones (1/4" adapter included)

### Operation

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- Insert the 1/4" Calibration Adapter up to the stop for the calibration of 1/4" measurement microphones.
- Carefully insert the microphone up to the stop.
- Press the  button to switch ON the calibrator. The Power LED glows green and the Pressure LED glows blue.
- Verify the sound pressure level reading on the sound level meter or start the calibration on your sound level meter.

### Applications for Sound Level Measurement

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- Ensure accurate measurements
- Adapt the measurement microphone to the local environmental conditions, such as temperature, humidity, and air pressure
- Verify the stability of the sound level meter

## Specifications

Sound pressure level <sup>1)</sup>	114.0 dB $\pm$ 0.35 dB SPL reference to 20 $\mu$ Pa
Stabilizing time	5 seconds
Short-term level stability	< $\pm$ 0.2 dB
Maximum deviation	< $\pm$ 0.6 dB over full environmental range
Frequency	1 kHz $\pm$ 1 Hz
Total harmonic distortion	< 1 %
Calibration reference condition	101.3 kPa, 23 °C und 50 % RH
Static pressure range	65 to 108 kPa; pressure coefficient < 0.004 dB/kPa
Temperature range	0 to +40 °C (32 to 104 °F)
Relative humidity range	25 to 90 % RH
Storage temperature range	<ul style="list-style-type: none"> <li>• Temperature: -20 to +60 °C</li> <li>• Humidity: 0 to 90 % RH (non condensing)</li> </ul>
Dimensions L x W x H	75.5 x 54.0 x 37.0 mm (2.9 x 2.1 x 1.4")
Weight	85 g (0.19 lb)
Battery	<ul style="list-style-type: none"> <li>• 2x AAA (LR03)</li> <li>• Battery Voltage Operating Range 1.75 to 3.6 V</li> </ul>
Standards	<ul style="list-style-type: none"> <li>• IEC 60942:2017, class 2</li> <li>• ANSI S1.40-2006 (R2016)</li> <li>• EMC directive 2004/108/EC, IEC 61326-1:2005</li> <li>• EN 61000-4-2:2009 electrostatic discharge immunity</li> <li>• EN 61000-4-3:2010 electromagnetic field immunity</li> <li>• EN 61000-6-3:2011 electromagnetic field immunity</li> </ul>
Accessories included	<ul style="list-style-type: none"> <li>• Battery</li> <li>• 1/4" Calibration Adapter ADP 1/4-C</li> </ul>
NTi Audio #	600 000 394

All information subject to change without notice.

Calibrator is manufactured for NTi Audio by Casella CEL, UK, Typ CEL-120/2.

<sup>1)</sup>: under reference conditions, i.e. 23 °C, 101.3 kPa, 50% RH