

# Class 1 Sound Calibrator Nor1255



Nor1255 is a small battery-operated precision class 1 microphone calibrator generating 114 dB @ 1kHz conforming to IEC 60942 and ANSI S1.40. The all-digital design with a quartz-controlled signal generator ensuring a frequency stability not yet seen on any calibrator on the market today. The reference microphone and accompanying control circuit maintain a constant sound pressure level inside the calibration coupler and automatically adjusts for changes in load volume, temperature, humidity and barometric pressure. Each calibrator is supplied with an individual accredited calibration certificate.

## Features

- Conforms to EN/IEC 60942 (2003) Class 1 and ANSI S1.40–2006 class 1
- Ultra-stabile silicone reference microphone
- All-digital quartz-controlled signal generator
- Fully compensated for static pressure, humidity and temperature
- Sound pressure independent of microphone equivalent volume
- Robust, compact and battery operated
- 114 dB @ 1000 Hz
- Supplied with accredited calibration certificate



## Specifications

Sound calibrator class 1 according to EN/IEC 60942 Ed. 3 (2003) and ANSI/ASA S1.40-2006 (R2011).



<b>Microphone size:</b>	1/2" and below via adapters
<b>Calibrator frequency ( @ Reference conditions):</b>	1000 ±1.00 Hz
<b>Generated Sound Pressure Level relative to 20µPa (@ Reference conditions):</b>	114.0±0.2 dB
<b>Distortion:</b>	Max 2.0%
<b>Stabilizing time:</b>	20 seconds
<b>Sensitivity to environmental conditions:</b>	As specified for IEC 60942 class 1 / ANSI S1.40.
<b>Environmental range for specified operation:</b>	
<b>Temperature:</b>	-10°C to +50°C / 14°F to 122°F
<b>Relative humidity:</b>	25 % to 90 %
<b>Air pressure:</b>	65 kPa to 108 kPa
<b>Additional specifications for the built in ambient measurement sensors:</b>	
<b>Power off:</b>	By power switch or when microphone is removed (may be deactivated)
<b>Battery type:</b>	2 x LR03 alkaline batteries (AAA-size)
<b>Battery life:</b>	> 10 hours
<b>Battery low:</b>	Automatically switching off if battery voltage too low
<b>Weight:</b>	125 g / 0.28 lb
<b>Size ( LxWxH ):</b>	97 x 51.5 x 41 mm / 3.8 x 2.0 x 1.6 "
<b>Accessories included: (may vary if supplied as part of a Sound level meter kit):</b>	Accredited calibration, 2 x AAA batteries, instruction manual and leather pouch Nor1345
<b>Accessories available:</b>	1/4" microphone adapter Nor4590