



Class 1

Sound Calibrator Nor1255

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Sound calibrator

Nor1255

Nor1255 is a small battery-operated precision class 1 microphone calibrator generating 114 dB @ 1kHz conforming to IEC 60942 and ANSI/ASA 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.

Key Features

Conforms to IEC 60942 : 2017 Class 1 and ANSI/ASA S1.40-2006 (R2024) class 1.

Ultra-stable 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

Microphone size	1/2" and below via adapters
Calibrator frequency (@ Reference conditions)	1000 ±1.00 Hz
Generated Sound Pressure Level relative to 20µPa (@ Reference conditions)	114.0±0.2 dB
Distortion	Max 2.0%
Stabilizing time	20 seconds
Sensitivity to environmental conditions	As specified for IEC 60942 class 1 / ANSI S1.40.
Environmental range for specified operation:	
Temperature:	-10°C to +50°C / 14°F to 122°F
Relative humidity:	25 % to 90 %
Air pressure:	65 kPa to 108 kPa
Power off	By power switch or when microphone is removed (may be deactivated)
Battery type	2 x LR03 alkaline batteries (AAA-size)
Battery life	< 10 hours
Battery low	Automatically switching off if battery voltage too low
Display type and resolution	Mono-colour OLED graphical display - 128x64 (WxH)
Weight	125 g / 0.28 lb
Size (LxWxH)	97 x 51.5 x 41 mm / 3.8 x 2.0 x 1.6 "
Accessories included	May vary if supplied as part of a Sound level meter kit): Accredited calibration, 2 x AAA batteries, instruction manual and leather pouch Nor1345



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