



# Acoustic Calibrator

## PCE-SC 42



### **PCE-SC 42**

PCE-SC 42 is a class 2 acoustic or sound calibrator used to calibrate sound level meters, microphones and noise measuring devices and equipment. Suitable for use with type 2 or class II SPL meters, this portable decibel (db) meter calibrator is easy to use in the field or the laboratory.

- ▶ Lightweight yet rugged design
- ▶ Enables recalibration or correction of sensor drift over time
- ▶ Perfect accessory to type II / class 2 sound level meters
- ▶ ISO calibration certificate available for an additional fee (see accessories)

<b>General Features PCE-SC 42</b>	
Frequency	1 kHz / $\pm 0.1\%$
Sound pressure levels	94 decibels (dB) and 114 dB
Accuracy	$\pm 0.3$ dB (at 20 °C / 68 °F and 760 mm Hg / 101325 Pa)
Microphone	1/2 " and 1 " microphone opening
Standard	IEC 942 class 2
Power supply	1 x 9 V battery (block, NEDA 1604, Burgess 2U6 or similar)
Battery life	Approx. 100 hours
Environmental conditions	-10 ... +50 °C / +14 ... +122 °F
Storage conditions	-40 ... +65 °C / -40 ... +149 °F (remove battery beforehand)
Temperature coefficient	0 ... 0.01 dB / °C
Altitude effect	Reduction of approx. 0.1 dB per altitude gain from 2000 ft from the sea level up to 12000 ft or comparable changes of the atmospheric pressure (approx. at every decrease of 50 mm Hg)
Dimensions	Approx. 48 x 48 x 138 mm / 1.89 x 1.89 x 5.43
Weight	Approx. 250 g / 0.56 lb

Subject to change