

# CALIBRATION

## DECIBEL METER CALIBRATOR PCE-SC 09

### Class I / Sound pressure level 94 and 114 db

The sound calibrator is a battery powered sound source. With the sound calibrator, direct and fast calibrations of sound level meters and other systems for noise measurement can be carried out. Sound level sensors of 1, ½ and ¼ inch can be connected to the sound calibrator and checked via the adapter attachments. The calibration frequency for the sound calibrator is 1000 Hz.

This is the reference frequency for the internationally standardized evaluation curves. With this sound calibrator you can calibrate sound measuring devices with weighting filters A, B, C, or D. The calibration pressure for this sound calibrator is 94 ± 0.3 dB (1 Pa) and 114 ± 0.3 dB (10 Pa).

### ISO cal option

- ▶ sound pressure level 94 and 114 db
- ▶ for weighting filters A, B, C, D
- ▶ ready for immediate use
- ▶ accuracy class 1, IEC 942
- ▶ easy handling
- ▶ adapter for various microphones



## APPLICATION



## TECHNICAL SPECIFICATIONS

|                         |                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------|
| Sound pressure level    | 94 dB, 114 dB                                                                                                          |
| Accuracy class          | IEC 942, class 1                                                                                                       |
| Sound level accuracy    | ± 0.3 dB (20°C / 68°F, 760 mm Hg)                                                                                      |
| Frequency               | 1000 Hz for A, B, C and D frequency weighting                                                                          |
| Accuracy frequency      | ± 0.01%                                                                                                                |
| Microphone size         | 1", 1/2" (with included adapter), 1/4" (with optional adapter)                                                         |
| Display                 | digital                                                                                                                |
| Height dependency       | 0.1 dB per 610 m difference in height from zero level                                                                  |
| Temperature coefficient | 0 ... 0.01 dB / °C / °F                                                                                                |
| Battery status          | graphical display of the battery status                                                                                |
| Power supply            | 2 x 1.5V AA batteries                                                                                                  |
| Operating conditions    | -10... 50°C / 14 ... 122°F                                                                                             |
| Storage conditions      | 20 ... 90% r. H., not condensing<br>-40 ... 65°C / -40 ... 149°F<br>20 ... 90% r. H., non-condensing (without battery) |
| Dimensions              | 100 mm x 100 mm x 75 mm / 3.9 x 3.9 x 3 in (L x W x H)                                                                 |
| Weight                  | 250 g / < 1 lb                                                                                                         |



Subject to change without notice