

# Sound level meters

## PCE-322A

### Sound level meter with logger function

- Standard applied : IEC-61672-1 Class 2
- Auto power off
- Robust ABS plastic housing
- FAST and SLOW time evaluation
- MAX / MIN function
- USB interface for data transmission



## PCE-SC 42

### Acoustic Calibrator

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



#### TECHNICAL SPECIFICATIONS

Accuracy	±1.4 dB	Over	input is more than upper limit of range
Frequency range	31.5 Hz...8 kHz	Under	input is less than lower limit of range
Measuring range	Low 30 ... 80 dB	Fast	fast response
	Medium 50 ... 100 dB	Slow	Slow response
	High 80 ... 130 dB	Time	display current time (Hour-Minute-Second)
	Auto 30 ... 130 dB		
Frequency weightings	A and C		
Time weightings	Fast (125 ms)		
	Slow (1 sec)		
Measuring function	Max, Min and Hold		
Display update	2 x per second		
Display	4-digit LCD with Backlight		
Resolution	0.1 dB		
Microphone	1/2 inch electret condenser Microphone		
Storage capacity	32,700 values		
Interface	USB		
Voltage output	AC/DC		
Power supply	One 9 V battery		
	AC Adaptor		
Battery life	30 h continuous operation		
Operating conditions	0°C ... +40°C, <90 % RH		
Dimension	280 x 95 x 45 mm (L x W x D)		
Weight	Approx. 329g		

#### INCLUDES

Sound level meter, windscreen, AC adaptor, battery, case, manual

#### OPTIONAL

Sound calibrator



#### TECHNICAL SPECIFICATIONS

Frequency	1 kHz / ± 0.1 %
Sound pressure levels	94 decibels (dB) and 114 dB
Accuracy	± 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 condit.	-10 ... +50 °C / +14 ... +122 °F
Storage conditions	-40 ... +65 °C / -40 ... +149 °F
Altitude effect	Reduction of approx. 0.1dB per altitude gain from 2000 ft from the sea level up to 12000 ft
Dimensions/ Weight	48 x 48 x 138 mm / ca. 250 g

#### INCLUDES

Acoustic calibrator, 9 V battery, user manual

ITEM NO.	ITEM
PCE-SC 42	acoustic calibrator

#### OPTIONAL ACCESSORIES