



PCE Americas Inc.  
711 Commerce Way  
Suite 8  
Jupiter  
FL-33458  
USA  
From outside US: +1  
Tel: (561) 320-9162  
Fax: (561) 320-9176  
info@pce-americas.com

PCE Instruments UK Ltd.  
Units 12/13  
Southpoint Business Park  
Ensign way  
Hampshire / Southampton  
United Kingdom, SO31 4RF  
From outside UK: +44  
Tel: (0) 2380 98703 0  
Fax: (0) 2380 98703 9  
info@pce-instruments.com

[www.pce-instruments.com/english](http://www.pce-instruments.com/english)  
[www.pce-instruments.com](http://www.pce-instruments.com)

## Technical Data Logger PCE-322A

### PCE-322A Sound Level Meter

**Class II decibel (dB) meter with data-logging functionality / Measuring range: 30 ... 130 dB  
/ Memory stores up to 32,700 readings / USB port / Microsoft Excel compatible / Analog  
output**

PCE-322A is a handheld, portable, professional Class II sound level meter or decibel meter with built-in data-logging or data-recording functionality. Thus, PCE-322A is ideal for real-time noise measurement as well as for long-term noise exposure monitoring over time. A mini tripod is included in the delivery contents, as is a wind noise suppressor. The recorded decibel readings help users determine if and what protective measures need to be taken to ensure overall health, safety and productivity in industrial, commercial, occupational, educational and residential environments. The sound level meter can also be used to evaluate acoustics for audio installations.

The sound level meter can be connected to a PC via the USB port. This allows the recorded decibel readings to be transferred to a PC for detailed analysis using Microsoft Excel or the included downloadable proprietary software. The sound level meter also features an analog output for connecting to a frequency analyzer or X-Y shaft recorder.

- IEC 61672-1 Class II sound level meter
- USB port for data transfer
- Memory stores up to 32,700 readings
- Fast and slow time weighting
- A and C frequency weightings
- Max, min, hold and alarm functions
- Date- and time-stamped measurements
- Analog output
- Heavy-duty ABS plastic enclosure
- Large, easy-to-read, 4-digit LCD screen
- Power-saving automatic shutoff > 15 min. inactivity
- Battery allows approx. 30 hours continuous use
- ISO calibration available as an option - see accessories for details

**Technical specifications:**

|                             |   |
|-----------------------------|---|
| Noise levels                | Low 30 ... 80 dB  |
|                             | Medium 50 ... 100 dB                                      |
|                             | High 80 ... 130 dB  |
|                             | Auto 30 ... 130 dB  |
| Dynamic range               | 50 dB   |
| Display                     | 4-digit LCD   |
| Resolution                  | 0.1 dB  |
| Accuracy                    | ±1.4 dB   |
| Sampling rate               | 2 x per second  |
| Frequency                   | 31.5 Hz ... 8 kHz   |
| Storage capacity            | 32,700 readings   |
| Frequency weighting A and C |   |
| Time weighting              | Fast (125 ms)   |
|                             | Slow (1 sec.)   |
| Microphone type             | Electret condenser  |
| Functions                   | MIN, MAX, HOLD, ALARM                                     |
| Analog output               | AC/DC   |
|                             | Headphone   |
| Data interface              | USB port  |
| Automatic shutdown          | After 15 minutes inactivity                               |
| Operating conditions        | 0 ... +40 °C / +32 ... +104 °F, < 90 % RH                 |
| Storage conditions          | -10 ... +60 °C / +14 ... +140 °F, 10 ... 75 % RH          |
| Power supply                | 9 V block battery (for approx. 30 h continuous operation) |
|                             | AC power  |
| Dimensions                  | 280 x 95 x 45 mm / 11.02 x 3.74 x 1.77"                   |
| Weight                      | Approx. 350 g / 0.78 lb                                   |
| Standards                   | IEC 61672-1 Class II                                      |

Please see user manual for complete technical specifications.

**Delivery contents:**

- 1 x PCE-322A sound level meter
- 1 x wind noise suppressor
- 1 x USB cable
- 1 x mini tripod
- 1 x calibration screwdriver
- 1 x battery
- 1 x power adapter
- 1 x carrying case
- 1 x user manual