

Model 14

Digital Sound Level Meter

- Simple and easy to use Sound Level Meter for basic noise level measurement and spot checks
- Class 2 Sound Level Meter to IEC 61672:2002-1 & Type 2 to IEC 60651:1979
- dB(A) & dB(C) Frequency Weightings
- Fast Time Weighting with Maximum Hold (LAFmax or LCFmax)
- Measurement range of 35dB(A) to 130dB(A)
- Windshield included as standard

Pulsar Instruments Model 14 is an entry-level sound level meter for general purpose use whilst meeting the requirements of IEC 61672 to Class 2.

It is also an ideal low-cost instrument for those applications where a Sound Level Meter can be useful but a high specification instrument would be too expensive.

Noise levels can be checked quickly and simply, through the instrument's large and easy-to-read display, which shows the Sound Level (SPL) with the standard dB(A) frequency weighting. Also included is the dB(C) frequency weighting.

A maximum hold function allows the unit to freeze the display showing the highest level measured. This can be used where the allowable level is given in terms of a maximum (LAFmax or LCFmax).

The 'A' weighting filter is the internationally recognised method of replicating the response of the human ear to noise, making the Model 14 the ideal tool for basic noise risk assessments.

The instrument can be calibrated for compliance, using the Model 106 Acoustic Calibrator, when used for industrial noise checks.

Two measurement ranges are included in the Model 14, measuring the most typically encountered levels from 35dB(A) to 130dB(A).

The Pulsar Model 14 is the perfect solution for basic industrial noise surveys, and ideal for use in the measurement and checks of vehicle noise, workplace noise, fire alarms, audible warning systems and during the installation of sound systems.



Specification

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| Applicable Standards | IEC 61672:2002-1 Class 2 IEC 60651:1979 Type 2 |
| Measurement Range | 35dB(A) to 130dB(A), 40dB(C) to 130dB(C) |
| Range Information | L (Low) = 35dB(A) to 100dB(A) H (High) = 65dB(A) to 130dB(A) Sound |
| Frequency Weighting | dB(A) & dB(C) to IEC 61672: 2002-1 Class 2 |
| Time Weighting | Fast to IEC 61672:2002-1 Class 2 |
| Display Functions | Normal (Sound Level), Maximum Hold |
| Measurement Functions | LAF, LCF, LAFMax, LCFMax |
| Display Flags | Overload (Green Light), Under range (Red Light) Maximum Hold (HOLD), Low battery (LOWBAT) |

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| Display | 3 1/2" digit LCD with 0,1dB Resolution |
| Outputs | AC Out Max output = 2V |
| Power | 1 x 9V (6F22, PP3), External DC Power, 7V to 10V |
| Microphone | 1/2" pre-polarised electret condenser (Typically Type MK:268) |
| Temperature | Operating: -10°C to +50°C, Storage: -20°C to +60°C |
| Dimensions | Length 248mm, Width 66mm, Depth 30mm |
| Weight | 227 gms (8oz) with battery |
| CE classification | EMC EN50081-1, EN 50082-1 Safety EN 61010-1, 1993 portable equipment pollution category 2 |

Ordering Information

The Pulsar Model 14 Sound Level Meter is supplied with a 24 month warranty, operating manual, certificate of calibration, battery, calibration screwdriver and windshield.

The instrument can be ordered as a complete measurement kit, which includes all the accessories needed to carry out noise measurement.

The Model 14 Measurement Kit contains the Model 14 Sound Level Meter, a Model 106 Acoustic Calibrator, a WS30 Windshield and CP1 Carrying Pouch. The kit also includes certificates of calibration and operating manuals along with batteries for both the Sound Level Meter and the Acoustic Calibrator.

