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## Pulsar 66 & 67 Personal Sound Exposure Meters

### Features:

- Storage of measurement results
- Standard measurements include  $L_{Aeq}$ ,  $L_{EP,d}$ , Peak(C), %Dose, Exposure in  $Pa^2h$
- Event and time history data storage
- Long battery life
- Robust metal case
- Real time clock & calendar
- Type 2
- Pulsar 66 Dual Range
- Pulsar 67 Short  $L_{eq}$  storage



### Overview

Pulsar 66 and 67 are advanced Data Logging Personal Sound Exposure Meters (PSEM) and as such the measurement functions that are provided by the instrument have been designed to meet the requirement of industrial Noise at Work regulations and standards such as the EC Directive 86/788 EC.

The design allows them to be carried in a pocket or on a belt with the microphone mounted close to the ear; the metal case gives the instruments much greater protection from knocks and electro-magnetic radiation than an instrument housed in plastic.

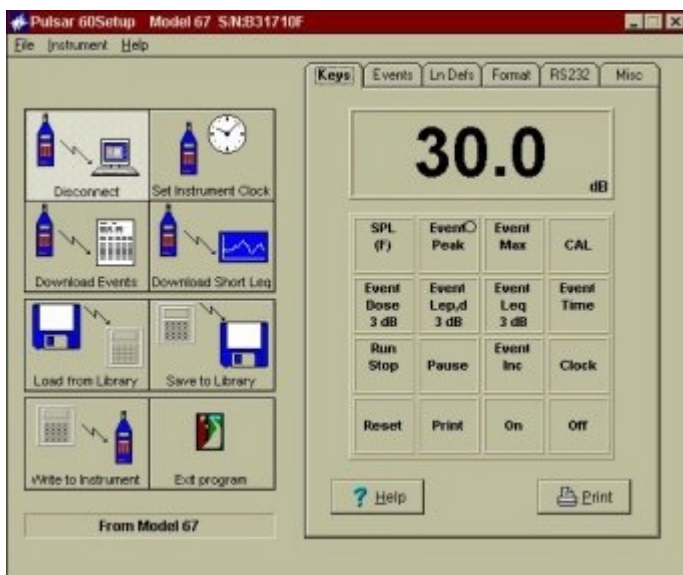
Pulsar 66 and 67 store measurements in the form of Events, the Pulsar 67 also stores Short  $L_{eq}$  elements. Events and Short  $L_{eq}$  can be either downloaded to a PC or viewed on the instrument display. The instrument also stores the current set-up and calibration information which is important for producing a report of a measurement. Once a measurement has been completed the operator can review it by selecting functions on the keypad; standard configuration provides the following measurements: Measurement Duration, Peak (C), Maximum Sound Level, % Dose,  $L_{EP,d}$ ,  $L_{Aeq}$ .



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## Pulsar 66 & 67 Personal Sound Exposure Meters

### 60Setup Software



- Download Event and Short  $L_{eq}$  data
- Display Short  $L_{eq}$  profile
- Programme instrument to automatically start and stop

Pulsar 66 and 67 come complete with the 60Setup software as standard; this allows stored Events and Short  $L_{eq}$  data to be downloaded from the instrument to the computer via the RS232 serial ports on the meter and computer. 60Setup comes with default measurement parameters. The programme allows

the user to change the operating parameters of the instruments. This can be saved to disk allowing different configurations to be permanently stored and recalled at any time.

Once downloaded, the Short  $L_{eq}$  data can then be used to help produce a report or a Noise profile of the measured period. The great advantage of using this system is that the data recorded can be stored indefinitely and, if needed, recalled, viewed and, with additional software, re-analysed at a later date. The 60Setup software can also be used to programme the sound level meter to automatically stop and start events.

### Options & Accessories

The most popular way to purchase these instruments is as part of a complete kit; this ensures that the user has all the tools available to ensure the measurements are accurate. Kits include sound exposure meter (with software & download cable), operation manuals, acoustic calibrator (Pulsar 101), attaché case and a windshield.

If the sound level meters are purchased as separate units we recommend obtaining a carry pouch to protect the unit. An acoustic calibrator should always be used before and after any measurements are taken, this isn't because the meter drifts but it is the only way to check the accuracy of the meter.



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There is a range of accessories including additional software for the analysis of the Short  $L_{eq}$  time history data, carrying cases, factory fitted memory expansion (for Pulsar 67) which will increase memory to 2,500 Events and 100,000 Short  $L_{eq}$  elements, printer adapters, tripod microphone mounts and longer microphone extension cables, for further information and prices please contact the sales team, or your nearest Pulsar agent.

### Specification

Standardisation:	IEC 60651:1979 Type 2 IEC 60804:1985 Type 2
Microphone Type:	½" Pre-polarised Electret Condenser
Measurement Range:	Pulsar 66, Lo 30-100dB(A), Hi 60-130dB(A), 143dB(C) Peak Pulsar 67, 67-130dB(A), 143dB(C) Peak
Weightings:	Time: 'F' (Fast), 'S' (Slow) Frequency: 'A' for SPL & $L_{eq}$ , 'C' for Peak
Measurement Storage:	Pulsar 66 1 Event Pulsar 67 256 Events/25,000 Short $L_{eq}$ elements
Display:	3½ Digits LCD
Display Functions:	Defined by Keypad Functions
Display Flags:	Batt, Run, OL, %, dB, Pa <sup>2</sup> h
Power:	9v 6LR61 (NEDA 1604)
Temperature:	-10°C to +50°C Operating
Dimensions:	150mm x 75mm x 25mm
Weight:	300gms
Output:	RS232 via Mini Dim Socket
Software Support:	60Setup for Windows Download & Configuration Software

Supplied with the following accessories as standard:

- RS232 Download Cable
- 60Setup for Windows Configuration & Download Software
- Operating Manual
- Certificate of Calibration