



NOISE AT WORK

5/7 Series

pulsar
INSTRUMENTS LTD.

- Simple and user friendly
- Compact with robust construction
- Compliance to all the appropriate standards

Industrial and environmental sound monitoring situations have exacting requirements of sound level meters. That is why Pulsar Instruments produce the Series 5 & 7 digital sound level meters that are designed to meet the needs of the professional whilst being simple and user friendly enough for the new user. The use of simple switches for most functions means that making initial measurements and flicking between different settings is child's play, there are no complex menus to learn and switching between different frequency and time weightings is as easy as turning on a light.

Pulsar sound level meters are housed in durable die-cast metal cases, this minimises the effects of electro-magnetic radiation and makes them robust enough to withstand industrial and factory environments. Pulsar sound level meters are either Type 1 or Type 2 dependant upon the microphone used. Type 1 instruments have a removable preamplifier and so have the added convenience of being able to use them with an extension cable. This is recommended as an extension cable prevents interference of sound waves that are reflected off of the user and the casing of the sound level meter, thus increasing accuracy.

Pulsar sound level meters conform to all the appropriate British, European and International standards. The Type 1 instruments conform to the precision grade whilst the Type 2 to the general-purpose grade of IEC 60651 or IEC60804. Filters used in

the octave analyser also conform to the relevant standards.

Pulsar Instruments have been at the fore-front of sound level meter design and construction for over 30 years, making them one of the oldest manufacturers in the world. Whatever your needs may be, there is a model in the series to suit them, from a reputable and respected company.

MODELS 51 & 52

These instruments are ideal for measuring general noise levels to identify whether a site is in need of further investigation as well as for monitoring problematic areas.

These models are available in both Type 1 (precision grade) Model 51 and Type 2 (general purpose) Model 52.



MODELS 51 & 52

MODELS 71 & 72

These instruments were designed with National "Noise at Work" regulations in mind; they have the capability to measure the Equivalent Continuous Level or L_{eq} as well as Peak Sound Level. These instruments can also measure the three action levels simultaneously, making them one of the best tools for ensuring that you are not breaking the noise at work regulations, thus helping to prevent your employee's hearing from being damaged and the company from expensive liability claims. These instruments can be used to allocate hearing defenders, using the HML Method. The Model 71 conforms

to Type 1 whilst the Model 72 conforms to Type 2.

MODELS 73 & 74

These have been developed with not only Noise at Work regulations in mind, but also hearing defender selection. These instruments can measure all three action levels simultaneously and with an octave filter set built in, it allows the user to measure the noise level in each of the frequency bands. This can then give the user the momentary, average and maximum level in each octave, enabling them to decide which is the best type of hearing defender needed.

The Model 73 meets the precision instrument standard while the Model 74 is classed as general purpose.

NOISE AT WORK

These regulations require the work place to be surveyed regularly to identify harmful noise levels and then to determine the exposure of each individual employee. This

has to be done in terms of L_{eq} , $L_{EP,d}$ and Peak levels. If a hazardous situation is identified it is then necessary to take immediate action to protect any employees who might be exposed. The best short-term action is to supply hearing defenders; it can be very easy to choose the wrong hearing defenders, ones that over-protect the employee allowing the comfort and utilisation factors to decline or worse, ones that under protect. Noise is made up of different frequencies and it follows that there are different hearing protectors available that work better at some frequencies and not so well at others. If the employer wants to make accurate and effective decisions to protect both the employee's hearing and to prevent compensatory claims, then here at Pulsar we have the resources and the equipment available to provide the right answers!

ORDERING AND ACCESSORIES

We usually supply all of the sound level meters as complete kits and these contain the sound level meter, acoustic calibrator, manuals and windshield in an attaché case; to order kits simply put 'kit' in front of the model number, for instance the Model 74 becomes Kit 74. The sound level meters can be ordered individually, in which case the protective carrying case (C2) is recommended. To obtain the full benefit of the Type 1 sound level meters a 2m extension cable (CB2) is recommended.

An acoustic calibrator (Model 100 or 101) should always be used before and after any measurement, not because sound level meters drift, but simply there is no other way of being sure that the meter is accurate during the measurement





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.