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sound measurement needs

PDO 01

DOSIMETER SOUND LEVEL
AND ACOUSTIC DOSE
MEASUREMENT

www.placidinstruments.com



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PLACID Dosimeter Sound Level and Acoustic Dose Measurement PLACID PDO 01



APPLICATION

Sound level and acoustic dose measurement and recording.

Activity detection and logging.

Monitoring of safe working conditions.

Long-term measurement and recording of acoustic Levels for environmental impact studies.

Specially designed for long-term outdoors applications.



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SOUND LEVEL METER DATA LOGGER WITH TYPE 1 MICROPHONE

- o Complies with the precision requirements of IEC61672-2002 Type I
- o A, C and Z weighting curves.
- o Integrating Sound-Level Meter, records L-max, L-min and Leq levels.
- o Log interval adjustable from 125 ms (8 points per second) up to hours.
- o Individual Manufacturer's Certificate of Calibration from Convergence Instrument provided with every instrument purchased.
- o Digital very sensitive MEMS microphone (30 dBA typical noise floor)
- o Completely sealed weatherproof enclosure designed for outdoors applications. Now includes an ePTFE membrane that seals the microphone against dust and water.
- o Ultra-stable sensitivity (field recalibration is easily done, but seldom required)
- o Software function calculates global Leq and/or dose, according to ISO and OSHA methods.
- o Preprogrammed recording start date/time.
- o Integrated oscilloscope function that can show the acoustic signal in real time.
- o Integrated spectral analyzer function that can show the spectrum (or 3rd-octave bands) in real time.
- o Works standalone, or USB connected.
- o Long life internal rechargeable battery that recharges from USB and most USB chargers.
- o Can be field-calibrated.
- o Observes and records 100% of the acoustic signal (no missed samples).