



# ACCURATE & EASY TO USE

Discover a wide selections of our  
sound measurement equipments according to your  
sound measurement needs

DOSIMETER SOUND LEVEL AND  
ACOUSTIC DOSE MEASUREMENT

PLACID PDO - 01

A large, light gray circular graphic at the bottom of the page contains a bar chart with approximately 15 vertical bars of varying heights. The chart is semi-transparent and serves as a background for the website information.

[www.placidinstruments.com](http://www.placidinstruments.com)



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# PLACID Dosimeter Sound Level and Acoustic Dose Measurement



## 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

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