

### Calculates SPL and $L_{EQ}$

Sper Scientific's Integrating Sound Datalogger measures sound pressure level (SPL) according to A or C weighting and integrates the weighted SPL over an established length of time, such as an 8 hour workday, to calculate cumulative sound exposure ( $L_{EQ}$ ). Test parameters are simultaneously displayed on a large, bright, backlit display, featuring 0.1 dB resolution and a bar graph. Up to 64,000 data records can be stored in the meter, saved, graphed, and processed on a computer through the USB interface and included software. The bidirectional USB port and software also enable control of the meter via its on-screen image. Features include SPL and  $L_{EQ}$  sound level readings, fast and slow time weighting, A and C frequency weightings, and over-limit and under-limit alarms. A single dynamic 30 to 130 dB range eliminates the need to manually select ranges and prevents data errors during range changes in auto-ranging models. The meter complies with IEC 61672:2013 Class 2 and ANSI S1.4:2014 Type 2 meter standards. Meets ANSI S1.43:1997 and IEC 61672-3:2013 for Integrating-Averaging Sound Level Meters. Calibrate in compliance with OSHA using Acoustical Calibrator 850016. Comes in a foam-lined protective carrying case, complete with a windscreen, USB computer connection power cable, instructions, calibration tool, recorder output plug, and 4 AA batteries, which provide about 30 hours of use and free downloadable software. N.I.S.T. Traceable Certificate of Calibration available.



No.	Description
850017	Intergrating Sound Datalogger
850017C	Intergrating Sound Datalogger Certified
850016	2-Pt. Acoustical Calibrator
850017P	16-ft Microphone Extension Cable
840091	Windscreen Replacement
840093	Field Tripod

Range	Res.	Accuracy
30 to 130 dB	0.1 dB	±1.0 dB



Scan this QR code to view our product demo.