

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. Accurate within ± 1.0 dB, and meets or exceeds all other specs for an IEC 61672:2013 Class 2 and ANSI S1.4:2014 Type 2 meter. 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.

DIM: 10³/₄" x 3¹/₂" x 1¹/₂" (273 x 89 x 38 mm). WEIGHT: 14.6 oz (414 g).

| No. | Description |
|---------|--|
| 850017 | Integrating Sound Datalogger |
| 850017C | Integrating 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.