

407780

\$999

Integrating Sound Level Datalogger

Leq and SEL measurements with built-in datalogger and PC interface

Features:

- Meets ANSI and IEC 651/804 Type 2 standards
- Datalogging function records up to 32,000 records
- Programmable integrating time; Real time calendar/clock
- Linearity over wide range (100dB)
- Display modes: SPL, SEL, Lmax/Lmin, & Leq
- A and C weighting
- Impulse/Fast/Slow response time
- 0.5" (12.7mm) condenser microphone; Tripod mount ideal for field use
- Complete with RS-232 cable, 9 to 25 pin gender changer, Windows® 95/98/NT/2000/ME/XP compatible software, 4 AA batteries, and carrying case; (Optional AC adaptor)

Specifications

Measurement Range (Freq.)	30dB to 130dB (31.5Hz to 8kHz)
Accuracy (Resolution)	+1.5dB, ref 94dB@1kHz (0.1dB)
Sampling time	updated every 0.5sec
Analog AC/DC Output	2Vrms (at full scale), 10mVDC/dB
CE/Warranty	CE approved, one year warranty
Dimensions/Weight	10.4x2.8x0.8" (265x72x21mm)/11oz (310g)

Ordering

407780	Sound Level Meter	\$999
407780-NIST	Sound Level Meter with NIST Certificate	\$1124
407744	.94dB Calibrator for 0.5" or 1" microphones (p. 93)	\$299
407766	.94/114 dB Calibrator for 0.5" or 1" microphones (p. 93)	\$399
407764-EXT	15ft (4.7m) Microphone Extension Cable	\$99



Software included



Optional 15ft (4.7m) 407764-EXT microphone extension cable for remote measurements



Calibrator 407744 or 407766 plugs into microphone and injects a precision signal, see p. 93



407354
407355

From \$459

Personal Noise Dosimeters

Measure total sound exposure over an 8-hour period

Features:

- Perform OSHA and IEC Noise accumulation surveys
- Adjustable Criterion Level, Exchange Rate, and Threshold
- Optional 94/114dB calibrator to perform "before" and "after" calibration checks per ANSI standards
- Ideal for personal/workplace accumulated noise exposure
- Complete with belt clip, clip-on 0.5" microphone with 2.6ft (0.8m) cable, 4 AAA batteries, mini screwdriver and carrying case; (407355 includes software)

Specifications

Standards:	Meets ANSI S1.25(1991) Type 2, ISO-1999, BS 402 (1983)
Range/Resolution:	70 to 140dBA / 0.1dB (Frequency A Weighting)
Digital Display:	LCD 0.01-9999%
Criterion/Threshold Level:	80, 84, 85 or 90dB/ 70-90 (10b steps)
Response Rate/Exchange Rate:	Fast or Slow/ 3, 4, 5 or 6 dB
High Level Detector/Peak Flag:	115dB / 140dB
Battery Life:	38 hrs (model 407354); 34 hrs (model 407355)
Event Storage:	1 survey (model 407354); 5 surveys (model 407355)
CE/Warranty:	CE approved, one year warranty
Dimensions/Weight:	4.2x2.5x1.3" (106x64x34mm)/.8oz (227g) incl. batteries

Ordering

407354	Noise Dosimeter	\$459
407354-NIST	Noise Dosimeter with NIST Certificate	\$574
407355	Noise Dosimeter with RS-232 Interface	\$599
407355-NIST	Noise Dosimeter with RS-232 Interface w/NIST Certificate	\$714
407744	.94dB Sound Level Calibrator (see page 93)	\$299
407766	.94/114dB Sound Level Calibrator (see page 93)	\$399



Software included with 407355



Model 407354

- Records/displays: % dose, dB level, exposure time, and peak events

Model 407355 with PC Interface

- Also has storage of 5 separate surveys, Bi-directional RS-232 with Windows® 95/98/NT/2000/ME/XP compatible software and a real time clock. Software permits user to control setup and retrieve stored events (% dose, 8 hour % dose, Peak & RMS flags, exposure time, Peak time and Peak event duration) or analyze real time measurements. Complete with 9 pin to 25 pin adaptor and RS-232 cable.