

Simpson Sound Level Meter

- 40 to 140 dB Range
- Portable, Easy to Operate
- AC and DC Outputs to Drive External Devices
- Meets ANSI S1.4-1983; ANSI S1.4-1992

Three Meter Types

This family of full-function, general purpose sound level meters provides an easy-to-use, convenient way to meet OSHA and Walsh-Healy noise control specifications.

5150S Fast, Slow, and Impulse Response

This sound level meter provides maximum measurement versatility with "A", "B", and "C" weighting curves plus choice of fast, slow, and impulse response times. AC and DC outputs to drive scopes, recorders, and other external analysis equipment.

7613S Meter Has Fast and Slow Response

This meter is identical to the 5150S above except that it does not include the impulse response mode.

7612S Provides Accurate, Basic Measurement Capability

This instrument operates with the "A" weighting curve, which more closely corresponds to the human ear at low sound levels. Features selectable fast or slow response, AC/DC outputs, tripod mount, analog meter. The microphone is permanently attached.

Each Unit Includes: 9V alkaline battery, wind screen (5-117633), screwdriver (5-116470), carrying case (10-866105), and instruction manual.

Each Kit Also Includes: Calibrator



Ordering Information

Order #	Description	Price
MP5150S	Sound Level Meter with Impulse Response	
MP5150S-K	Sound Level Meter Kit with Impulse Response	
MP7613S	Sound Level Meter with Multi-Weight Response	
MP7613S-K	Sound Level Meter Kit with Multi-Weight Response	
MP7612S	Sound Level Meter with S2A Response	
MP7612S-K	Sound Level Meter Kit with S2A Response	

Simpson Sound Level Meter/Dosimeter

- Meets ANSI S1.4-1983, ANSI S1.25-1978, and IEC 651-1979 Specifications
- Selectable Ranges and Threshold Levels
- Selectable Exchange Rates and Criterion Levels
- Built-In Datalogger and Computer/Printer Output

Noise Dosimeter Is Ideal for OSHA and IEC Surveys

The 5151D sound dosimeter functions as both a sound level meter and a sound dosimeter. This compact, battery-powered instrument is perfect for conducting personal noise surveys to meet various regulatory requirements.

There are two measuring ranges, and sound threshold can be adjusted from 50 to 99 dB in 1 dB increments. In dosimeter mode, both criterion levels and exchange rates can be selected. The built-in datalogger allows the unit to run unattended for over 30 hours, and a RS-232 interface allows the recorded data to be easily transferred to a printer or personal computer.

Each Unit Includes: Parallel printer cable (02234), AC adapter, 110V/220V (06-115095), microphone clip (06-131533), nose cone (10-865914), wind screen (05-119753), screwdriver and wrench (05-116470/06-113274), NiCd battery pack (06-113274), carrying case, and instruction manual.

Each 5151D-K Kit Also Includes: RS-232-C serial cable (02233), calibrator (887-2), and 9V alkaline battery (for calibrator).

Specifications

Sound Level Mode Ranges:	50 to 100 dB, 80 to 130 dB	Exchange Rate:	Selectable 3, 4, or 5 dB
Accuracy:	True RMS, type S2	Elapsed Time:	Displays either Hours: Minutes or Minutes: Seconds, up to 99 hours, 59 minutes, 59 seconds
Dynamic Range:	Selectable, 50 to 100 dB and 80 to 130 dB	Recording Time:	31 hrs max
Freq Response Weighting:	"A" weighting	Printer Interface:	Centronics and RS-232
Frequency Range:	20 Hz to 8 kHz	Power Supply:	Rechargeable nickel-cadmium battery pack
Dosimeter Mode Threshold Level:	Selectable from 50 to 99 dB in 1 dB increments	Size/Weight:	6.8 x 3.1 x 1.1" HWD/18 ozs; 172 x 80 x 28 mm HWD/500g
Criterion Level:	Selectable 70, 80, 84, 85, or 90 dB		
Criterion Duration (TC):	Eight hours		



Ordering Information

Order #	Description	Price
MP5151D	Universal Noise Dosimeter	
MP5151D-K	Universal Noise Dosimeter Kit	

NEW Ametek Noise Dosimeters

- 3 Models Dosimeters and 2 Models of Calibrators
- Intrinsically Safe Operation
- Selectable Threshold Levels, Doubling, Response (slow or fast)
- Compliance to DOD, OSHA, and Others
- Field calibratable for Assurance of Accurate Surveys
- PC Interface to Download Dosimeter Contents
- Exchange Rate – Selectable 3, 4, 5 dB
- Threshold Level – Selectable None, 80, 85, 90 dB
- Criterion Level – Selectable 80, 84, 85, 90 dB
- 8 Hour Criterion Duration

Specifications

Mfg#	MK-1	MK-2	MK-3
Operating Range:		80 to 148 dB	
Ranges – selectable:		50 to 100 dB, 60 to 120 dB, 80 to 140 dB	
SLM operation and Lmax:		50 to 140 dB	
Fast - Lmax:		1/16 second average	
Weighting – selectable:		A or C	
Communications:	Not available	Through CPI+	Through CPI+
Windows-based software	Not available	Compatible (CPI+)	Compatible (CPI+)
Approvals:	MSHA 2G – UL Class I C, D / Class II E, F, G / Class III Hazardous Locations – FM – CSA		
Power:	(1) 9 VDC Alkaline		
Size / Weight:	10x2.5x1.1" HWD / 9 oz	10x2.5x1.1" HWD / 9 oz	10x 2.5x1.1" HWD / 9 oz
Calibrator	AC-1		
Operating Range:	94, 114, 124 dB (Selectable)		
Size / Weight:	2.0 x 1.75 x 5.5" HWD / 10 oz		

Ordering Information

Order #	Mfg#	Description	Price
MPH5300	MK-1	Dosimeter with standard accessories and carrying case	
MPH5325	MK-2	Dosimeter with standard accessories and carrying case	
MPH5335	MK-3	Dosimeter with standard accessories and carrying case	
MPH5351	MK-1	Dosimeter with standard accessories and AC-1 Calibrator and carrying case	
MPH5352	MK-2	Dosimeter with standard accessories and AC-1 Calibrator and carrying case	
MPH5353	MK-3	Dosimeter with standard accessories and AC-1 Calibrator and carrying case	



MK-3 ▲

NEW AEMC Sound Level Meter

- Easy One-hand Operation
- Measures Sound According to the Sensitivity of the Human Ear
- MAX value recording
- Three Measurement Ranges from 35 to 130 dB
- Accuracy ± 1.5 dB
- Two Time Weighting Curves: Slow (550 ms) and Fast (55 ms)
- Two Frequency Weighting Curves: A and C
- Auxiliary Output for Recording
- Optional Tripod Mount
- Backlight
- Lightweight and Compact
- Includes Protective Safety Holster

Specifications

Mfg#	CA832
Measurement Range	35 to 80 dB 50 to 100 dB 80 to 130 dB
Measurement Rate	2.5 times per second
Frequency Range	31.5 to 8000 Hz
Accuracy	±1.5 dB
Resolution	0.1 dB
Precision	±2.0 dB
Display	2000-count
Sensor Type	0.5" electric (pre-polarized) condenser microphone. True RMS measurement with independent frequency weightiness
Dimensions	9.33 x 2.38 x 1.5" (237 x 60.5 x 38 mm)
Weight	Approx. 8.11 oz (230g) including battery

Ordering Information

Order #	Mfg#	Description	Price
MP2121.23	CA832	Sound Level Meter	

CA832 ▶



Extech Sound Level Meters

Digital Sound Level Meters Models 407735 and 407736

- Built-In Calibration at 94 dB
- Select A or C Frequency
- Meets IEC 651 Type 2 Standards (407736)
- Two Ranges: 35 to 100 dB, 65 to 130 dB
- 0.1 dB Resolution
- Maximum Hold with Reset
- 9.5 x 2.7 x 1" HWD/7.6 oz

NOTE: Accurate to ± 2 dB (Model 407735)
Accurate to ± 1.5 dB (Model 407736)

Each Unit Includes: 9V battery, hard vinyl carrying case, and operating instructions.



407735

Ordering Information

Order #	Mfg #	Description	Price
MP407735	407735	Digital Sound Level Meter	
MP407736	407736	Digital Sound Level Meter	
MP407766	407766	Calibrator for 407735 and 407736	

Digital Sound Level Meter Model 407740

- Reads A and C Weightings
- Meets IEC 651 Type 2 Std.
- Wide 30 dB to 130 dB
- Accuracy: $\pm 1.6\%$ at 94 dB
- Resolution of 0.1 dB
- Max Hold Function
- AC/DC (10 mV/dB) Outputs
- 10 x 2.8 x 1.1" HWD/10 oz

Each 407740 Includes: 9V battery, carrying case, and operating instructions.



407740

Ordering Information

Order #	Mfg #	Description	Price
MP407740	407740	Digital Sound Level Meter	
MP407744	407744	Calibrator for 407740	

Test Instruments — Miscellaneous

Extech Sound Level Meters

Sound level datalogger stores 16,000 time stamped readings

- Autoranging from 30 to 130 dB
- Large LCD 50-Segment Bargraph
- Store Data and Transfer to PC
- A and C Frequency Weighting
- 0.1 dB Resolution
- Max Hold Function
- Meets ANSI S1.4 Type 2 and IEC 651
- Analog Output 10 mVDC/dB
- Automatic Self-Test when Powered On
- Optional Precision Calibrator
- 10.4 x 2.8 x 0.8" HWD/10 oz

Each 407764 Includes: Microphone wind cover, PC software, serial cable, 9V battery, and operating instructions.

Ordering Information

Order #	Mfg #	Description	Price
MP407764	407764	Sound Level Datalogger with Software and Cable	
MP407766	407766	Calibrator for 407764	

Transcat Accredited Calibration with Data	CALL
Transcat Accredited Calibration without Data	CALL



407764

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