

Advanced Integration Optime™ System Linkage Exceptional Value

Easily select hearing protection with the 3M™ Sound Detector SD-200.

The 3M™ Sound Detector SD-200 is a compact, lightweight sound level meter designed to accurately measure workplace noise levels. Green, yellow and red LEDs flash the colour that corresponds to the Optime Alert System, making it easy to select the appropriate level of hearing protection. The SD-200 offers an integrating feature that computes the average sound pressure level, allowing for more accurate assessment of intermittent sound levels.

The user-friendly interface makes the SD-200 easy to operate. A rechargeable lithium polymer battery helps lower the total cost of ownership compared to other sound level meters that use replaceable batteries.

The Advantage of Integrating Measurements

In many work environments, noise levels are highly variable, making it difficult to accurately measure sound levels. The SD-200 helps solve this problem by providing the average sound pressure level. This advanced functionality is easy to use and delivers a steadier reading in environments such as manufacturing facilities or machine shops where noise levels are often highly variable.



Shown charging with USB accessory (included).





Optime Alert Levels



Above 95dBA
You will need to get a more accurate noise assessment.



Above 87dBA
Products marked with these icons are suitable at this noise level.



Between 87 - 93dBA
Products marked with these icons are suitable at this noise level.



Between 83 - 93dBA
Products marked with this icon are suitable at this noise level.



Between 83 - 85dBA
Products marked with these icons are suitable at this noise level.



Between 80 - 85dBA
Products marked with this icon are suitable at this noise level.

Specifications

Size	16.5 cm x 6.1 cm x 2.3 cm / 6.5" x 2.4" x .9"
Weight	125 g (4.4 oz) approx.
Tripod Mount	Accepts a ¼" – 20 screw (located on bottom, backside of the instrument)
Housing	ABS/polycarbonate
Battery	Lithium polymer (1000 mAh), rechargeable Run-Time: 50+ hours without LEDs activated Low battery indicator
Microphone	Omni-directional; Class/Type 2; 1.3 cm (½") diameter, electret condenser
Display Digits	2 cm (¾") with 0.1 dB resolution and 0.5 sec. update rate
Keypad	5 keys including: F/S, A/C, Mode, Run/Stop and Power On/Off
Charging	USB cable is provided to charge the instrument with a computer
Standards	ANSI S1.4 1983 (R 2006) ANSI S1.43 1997(R 2007) IEC 61672-1 (2002) IEC 61010-1 (2010) CE 2004/108/EC Electromagnetic Compatibility (EMC) 2006/95/EC Low Voltage Equipment (LVD) Safety 2002/95/EC Restriction of Hazardous Substances (RoHS) 2002/96/EC Waste Electrical and Electronic Equipment (WEEE)

Measurements

Displayed Data and Status Indicators	Sound Pressure Level (SPL), Average value (L_{EQ}/L_{AVG}), Optime Alert (with Hearing Protection icon), Maximum value (MAX), Minimum value (MIN), Run-Time, Overload (OL), and Under-Range (UR)
Linearity Range	45 to 130 dB (Dynamic Range)
Weighting	A or C
Time Response	Fast or Slow
Exchange Rate (ER)	3 dB or 5 dB

Temperature Ranges

Operating Temperature	0 °C to 40 °C (32 °F to 104 °F)
Operating Atm. Pressure	80-110 kPa
Relative Humidity	0% -90%, non-condensing
Storage Temperature	-20 °C to 70 °C (-4 °F to 158 °F)
Storage Atm. Pressure	50-150 kPa

Ordering Information for 3M™ Sound Detector SD-200

Product Number	Description	3M ID	UPC
SD-200 EMEA	Sound Detector Kit, USB Cable, Windscreen	70-0715-6552-0	0 00 51131 49638 5

Accessories

Product Number	Description	3M ID	UPC
053-575	USB Cable	70-0715-8175-8	0 00 51131 48767 3
SD-WS	Windscreen	70-0716-0639-9	0 00 51131 49687 3
056-990	0.5" Calibration Adapter	70-0715-8115-4	0 00 51131 48707 9
QC-10	Calibrator	70-0715-7972-9	0 00 51131 48565 5
059-045	Tripod	70-0715-8374-7	0 00 51131 48966 0



Occupational Health & Environmental Safety Group

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⚠WARNING

Important: The SD-200 Sound Level Meter may not be sufficient to carry out a full risk assessment of workers exposed to hazardous noise levels to help comply with the European Physical Agents (Noise) Directive 2003/10/EC. For further information contact a safety professional or an Industrial Hygienist.

⚠WARNING

Important: Not for use in explosive or hazardous locations. This product is not intrinsically safe.

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