Advanced Integration
Exceptional Value

Introducing the Sound Detector SD-200

The 3M™ Sound Detector SD-200 is a compact, lightweight sound level meter designed for measurement of workplace noise levels. Its intuitive design makes it easy for users to measure sound levels and determine the degree of hearing protection that may be required. Plus, it offers an integrating feature that computes the average sound pressure level allowing for more accurate assessment of intermittent sound levels.

A simple, user-friendly interface makes the SD-200 easy to operate. The user selectable LED Alert screen provides a quick visual reference of sound levels with green, yellow and/or red LEDs that flash when preset noise levels have been reached. A rechargeable lithium polymer battery helps lower the total cost of ownership compared to other sound level meters that use replaceable batteries.

The Sound Detector SD-200 delivers the sound-measuring capabilities needed to assess workplace noise levels.

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).

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Specifications

Size	6.5" x 2.4" x .9" / 16.5 cm x 6.1 cm x 2.3 cm
Weight	4.4 oz (125 g) 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; ½" diameter, electret condenser
Display Digits	¾" (2 cm) 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) $C\epsilon$

Measurements

Displayed Data and Status Indicators	Sound Pressure Level (SPL), Average value (L_{EQ}/L_{AVG}), LED 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	32 ºF to 104 ºF (0 ºC to 40 ºC)
Operating Atm. Pressure	80 - 110 kPA
Relative Humidity	0% - 90%, non-condensing
Storage Temperature	-4 ºF to 158 ºF (-20 ºC to 70 ºC)
Storage Atm. Pressure	50-150 kPAr

All specifications subject to change.

LED Alert Levels

● **Green LED**
Flashes when noise measurements are between 80 to 85 dB

● **Yellow LED**
Flashes when noise measurements are between 85 to 105 dB

● **Red LED**
Flashes when noise measurements are above 105 dB

Ordering Information for 3M™ Sound Detector SD-200

Product Number	Description	3M ID	UPC
SD-200	Sound Detector Kit, USB Cable, Windscreen	70-0715-6546-2	0 00 51131 49632 3

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

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⚠WARNING

Important: For appropriate use of hearing protection devices, consult your company's safety professional, applicable local standards or call 3M at 1-800-243-4630.