

3M Personal Safety Division

3M™ Sound Detector SD-200

detection



protection



validation



Sound Detection Made Easy

Get Started in Hearing Conservation



Saves time.

- Intuitive interface for easy out-of-the-box operation; averaging functionality provides steadier readings in environments where noise levels are highly variable
- Visual LED alerts help users assess the need for hearing protection

Industry-compliant.

- Meets applicable ANSI and IEC Class 2 standards

Economical.

- Rechargeable battery helps lower total cost of ownership compared to sound level meters that use replaceable batteries

To learn more about 3M Detection Solutions products, see www.3M.com/Detection.
For more information on 3M Protection and Validation products, visit 3M.com/ppesafety.

The power to protect your world.™

Value Driven Sound Detection Solution

Industry compliant

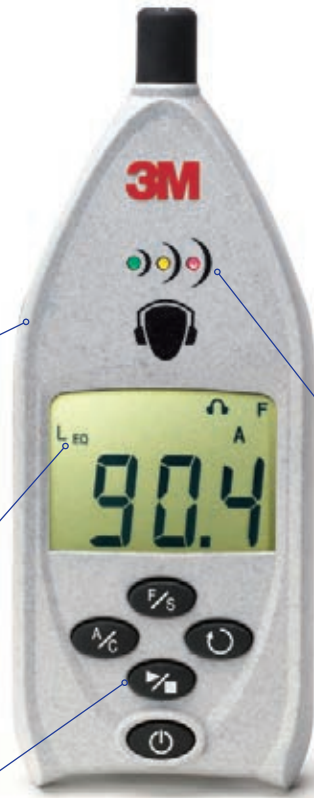
- Meets applicable ANSI and IEC Class 2 standards
- Consistent performance with accurate, actionable readings

Average sound pressure level (L_{EQ}/L_{AVG})

- Integrating feature computes the average sound pressure level
- Provides stable readings where noise levels typically vary, for easier interpretation

User-friendly

- Simple four-button navigation to perform all functions
- Comes ready to take measurements; no configuration necessary



LED alerts

- Tri color LED's flash brightly when preset noise levels are reached
- Helps user understand where hearing protection may need to be worn
- Green LED flashes when noise measurements are between 80 and 85 dB
- Yellow LED flashes when noise measurements are between 85 and 105 dB
- Red LED flashes when noise measurements are above 105 dB

Rechargeable

- Lithium polymer battery provides up to 50 hours of use between charges
- Reduces the cost and hassle of replaceable batteries



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:	Omn-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) CE

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

All specifications subject to change.

Product No.	Description	3M ID
SD-200	Sound Detector Kit, USB Cable, Windscreen	70-0715-6546-2
SD-200 EMEA	Sound Detector Kit, USB Cable, Windscreen (with EMEA User Instruction)	70-0715-6552-0



Personal Safety Division

3M Center, Building 235-2W-70
St. Paul, MN 55144-1000
Technical Service: 1-800-243-4630
Customer Service: 1-800-328-1667
www.3M.com/ppesafety

3M is a trademark of and The Power to Protect Your World is a service mark of 3M Company, used under license in Canada. Please recycle. Printed in USA. ©2013 3M. All rights reserved. 70-0715-7459-7 1.2013

⚠ 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.