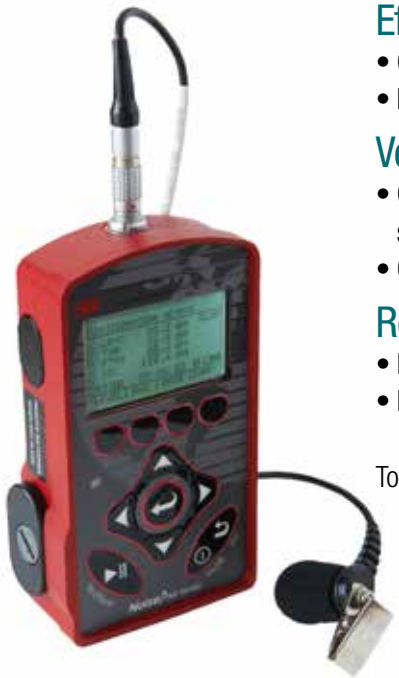
3M Personal Safety Division

3M™ NoisePro™ Personal Noise Dosimeters



Tough Enough for the Job

Rugged, Reliable Noise Measurement



Efficient.

- Only one instrument needed to measure up to four independent dosimeter readings
- Large LCD display offers quick assessment at a glance

Versatile.

- Optional boom microphone allows conversion to sound level meter for area sampling
- Choose from Class 1 or Class 2 microphone options

Reliable.

- Meets UL, cUL, MSHA, Ex, and ATEX intrinsic safety standards
- IP-65 aluminum case for use in rugged environments

To learn more about 3M Detection Solutions products, see www.3M.com/Detection

The power to protect your world.℠

3M

Trusted by Professionals

Part of an Effective Hearing Protection Program

Four dosimeters in one (DLX)

- Allows simultaneous measurement against up to four industry standards.
- Single, versatile device reduces need for multiple instruments.

Data logging (DL, DLX)

- Stores time history with average and maximum readings (L_{AVG}/L_{EQ}, SlowMax, FastMax).
- Data collected can be downloaded into 3M™ Detection Management Software (DMS) for further analysis and compliance reporting.

Prominent LCD display

- Large, easy-to-read digital screen enables quick, easy review of on-screen data.
- Real-time status updates with Go/No Go screen icons help workers self-manage their exposure levels.



Intrinsic safety approvals

- Monitoring can be safely performed in potentially hazardous environments.
- Meets applicable UL, cUL, MSHA, Ex, and ATEX standards.

Vibrating belt clip (optional)

- Provides tactile alerts in noisy locations.



3M Detection Solutions: Brilliantly Intuitive

Choose the Model That Best Meets Your Needs

	NoisePro	NoisePro DL	NoisePro DLX	NoisePro DLX-1
Product No.	**70071579331**	**70071579364**	**70071579398**	**70071579406**
Accuracy				
Class/Type	Type 2	Type 2	Type 2	Type 1
Time History Resolution:				
1 minute fixed		•		
1, 5, 10, 15, 30 seconds			•	•
1, 5, 10, 15, 30 minutes			•	•
1 hour			•	•
Number of Dosimeters:	**2**	**2**	**4**	**4**
Time History Statistics per Dosimeter				
L_{AVG}/L_{EQ}, FastMax & SlowMax		•	•	•
FastMin, SlowMin, Fast Ceiling Count, Slow Ceiling Count, L_{Pk} (peak)			•	•
Time History Statistics Selection:				
Each Statistic can be turned on or off			•	•
Data Available Via PC Download:				
Same as via Display	•	•	•	•
Statistical Distribution	•	•	•	•
Data Logging	**Summary Data**	Time History	Time History	Time History
Recalculated Exposure Data	•	•	•	•
Alarm Set Points:				
Overall TWA value of dosimeter #1	•	•	•	•
Any time history interval L_{AVG}/L_{EQ} for dosimeter #1		•	•	•
Auto-Run Activators:				
(1) or (2) daily runs with choice of days of week	•	•	•	•
(1) One-time run	•	•	•	•
Up to (4) One-time runs			•	•
Auto-Stop:				
Any HH:MM:SS duration	•	•	•	•
Data Storage:				
Non-volatile memory retention with batteries removed	•	•	•	•
Minimum (40) hours time history capacity with all data saved		•	•	•
Data from up to (5) other dosimeters in Series			•	•
Data Communications:				
Infrared Serial Interface @ 115kbps	•	•	•	•
Remotely retrieve and view data from any unit in series			•	•
Data Shuttle (stores results from multiple dosimeters)				•
DMS Compatible	•	•	•	•

All Specifications Subject to Change

Specifications

Functional Requirements Include

Measurement Range:	40 to 110 dB RMS, 70 to 140 dB RMS, 115 to 143 dB Peak
Dynamic Range:	70 dB RMS, 28 dB Peak
Amplitude Resolution:	0.1 dB
Dose Resolution:	0.001% to 9999%, auto-scaling always shows 4 digits
Statistical Distribution Resolution:	0.1 dB increments for fast & slow
Number of Channels:	(1) RMS, (1) Peak
Frequency Weighting per Channel:	RMS: A or C, Peak: A, C or Z

Dosimeter

Time Constant per Dosimeter:	Slow or Fast may be selected for each dosimeter. If impulse is chosen it will be applied to all.
Exchange Rate per Dosimeter:	3, 4, 5 or 6 dB
Criterion Level per Dosimeter:	40 to 140 dB in 1 dB increments
Criterion Time per Dosimeter:	1 to 24 hours in 1 hour increments
Personal Noise Exposure Level Times per Dosimeter:	1 to 18 hours in 1 hour increments
Threshold Level per Dosimeter:	Off or any threshold from 40 to 140 dB in 1 dB increments
Upper Limit Value per Dosimeter:	40 to 140 dB in 1 dB increments

Displayed Data Values

Ceiling Limit Value per Unit:	(1) FastMax and (1) SlowMax, 40 to 140 dB
Data Labels per Unit:	ISO/IEC or basic (U.S.) nomenclature
Data Available Via Display:	Setup filename, Pre-calibration date & time, Post-calibration date & time, SPL, L_{AVG}/L_{EQ}, Peak, SlowMin, SlowMax, FastMin, FastMax, TWA, Projected TWA, Dose, Projected dose, SEL, Exposure, Run time

Physical Characteristics

Size:	2.7" x 5" x 1.5" (68.6mm x 127mm x 38.1mm)
Weight:	14 ozs., (369g.)
Power:	Typically (70) hrs from (2) AA disposable alkaline batteries
Mechanical:	Industrial-grade cast aluminum, IP-65 rated case. Removable belt clip with tripod mounting adapter

Environmental Characteristics

Operating Temperature Range:	-10 °C to +50 °C (+14 °F to +122 °F)
Storage Temperature Range:	-25 °C to +60 °C (-13 °F to +140 °F)
Humidity Range:	0 to 95% non-condensing

Standards

Intrinsic Safety Certifications:	UL, cUL, MSHA, Ex, ATEX
Product Standards:	CE Mark, EN 61252, ANSI S1.25

Software Compatibility, Optional features

Software Compatibility:	Detection Management Software DMS, QuestSuite Professional II and HyperTerminal
Optional Features:	Vibrating alarm belt clip and boom microphone
# of Setup Files in Memory:	(5) Factory-defined and (4) User-defined
Date & Time:	DD/MM/YYYY; HH:MM:SS AM/PM or 24-hour clock
Keypad Combination Lock:	(2) User-defined 4-digit codes, (1) for run/stop access, (1) for setup access
Display:	Backlit 128 x 64 pixel graphical LCD
Languages:	English, Spanish, German, French, Portuguese, and Italian
Reports:	Via Detection Management Software DMS or QuestSuite Professional II or RS-232C transmission of "Smart Report" to HyperTerminal

All Specifications Subject to Change

3M™ Detection Management Software DMS

Designed for dosimetry, sound level measurements, heat stress assessments and environmental monitoring, this advanced software helps safety and occupational professionals:



Configure.

- Configure instrumentation and save pre configured setups

Report.

- Generate insightful charts and reports
- Export and share recorded results

Analyze.

- Retrieve, download, share, and save instrument data
- Create charts, tables, and panels to intuitively interpret your measurements

The software integrates with 3M Detection Solutions data logging instruments and will help you improve both operating efficiency and reporting in acoustics, heat stress, and environmental monitoring.

Product No.	Description	3M ID
DMS	Detection Management Software	70071608213

Personal Safety Division
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ISO 17025 Accredited Calibration Lab
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