

3M Occupational Health & Environmental Safety Division NoisePro™ Personal Noise Dosimeter



Advanced Personal Noise Monitoring Reporting and Analysis



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Noise is one of the most prevalent occupational health hazards found in the workplace. It can cause permanent hearing loss, reduce worker concentration and inhibit communications, which may increase the risk of injury or even death. Therefore, accurate noise monitoring is an important component of a hearing conservation program.

The NoisePro series of personal noise dosimeters helps industrial hygiene and safety professionals monitor noise exposure efficiently and provides tools to empower worker self-management of noise exposure. The NoisePro's compact yet rugged IP-65 rated casing, intrinsic safety certifications and advanced features make it well-suited for a wide-range of applications, from general noise surveys to mining and petrochemical noise exposure sampling.





Measure and Analyze Workplace Noise

NoisePro dosimeters present a highly rugged range of proven, reliable instruments for high performance noise detection and analysis. The various models have progressive levels of data gathering capabilities, making it easy to select a dosimeter that meets your information requirements. Together with QuestSuite™ Professional II applications software, the NoisePro series can better serve the needs of its users.

Optional Vibrating Belt Clip: Prompts users to use hearing protection or to terminate exposure when daily limits are reached.

Go/No-Go Screen Icons: Displays real-time indication of exposure status, helping workers to improve self-management of their exposure level.

QuestSuite Professional II Applications Software: Simulates the effect of administrative control measures prior to implementation.

QuestSuite Virtual Docking Station: Programs and retrieves data from one or an entire group of dosimeters via wireless infrared.

Key Features

NoisePro™

- Up to two independent dosimeters in one
- Optional vibrating alarm
- Class/Type 2 accuracy
- Programmable twice daily or (1) one-time scheduled runs
- Optional QuestSuite Professional II with virtual docking station
- Real-time compliance indicator
- English, Spanish, German, French, Portuguese and Italian languages
- Optional boom microphone
- Microphone removal detection
- IP-65 rated, industrial grade cast aluminum case
- High-Speed infrared RS-232 communications



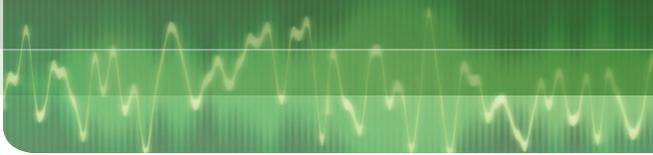
NoisePro™ DL

- All of the features of the NoisePro, plus time history, a data-logging feature that provides average and maximum readings (Lavg/Leq, SlowMax, FastMax) at fixed, 1-minute intervals.

NoisePro™ DLX

- All of the features of the NoisePro DL, plus up to four independent dosimeters in one
- Statistical distribution profiling via QuestSuite Professional II
- Programmable twice daily or up to (4) one-time, scheduled runs
- Available in Class/Type 1 or 2
- Data shuttle carries results from multiple dosimeters in the field or on the plant floor back to your computer
- Expanded time history data

Alert Workers to Their Noise Levels



Product Features for the NoisePro

	NoisePro	NoisePro DL	NoisePro DLX	NoisePro DLX-1
Accuracy:				
Class/Type 2	•	•	•	
Class/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:				
Lavg/Leq, FastMax & SlowMax		•	•	•
FastMin, SlowMin, Fast Ceiling Count, Slow Ceiling Count, Lpeak			•	•
Time History Statistics Selection:				
Each Statistic can be turned on or off			•	•
Data Available Via PC Download:				
Same as via Display	•	•	•	•
Statistical Distribution	•	•	•	•
Time History		•	•	•
Recalculated Exposure Data	•	•	•	•
Alarm Set Points:				
Overall TWA value of dosimeter #1	•	•	•	•
Any time history interval Lavg/Leq 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			•	•

All Specifications Subject to Change

Specifications for the NoisePro



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
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
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
# 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
Data Available Via Display:	Setup filename, Pre-calibration date & time, Post-calibration date & time, SPL, Lavg/Leq, Peak, Slow-Min, SlowMax, FastMin, FastMax, TWA, Projected TWA, Dose, Projected dose, SEL, Exposure, Run time
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 QuestSuite Professional II or RS-232C transmission of "Smart Report" to HyperTerminal
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
Operating Temperature Range:	-10° to +50° C, +14° to +122° F
Storage Temperature Range:	-25° to +60° C, -13° to +140° F
Humidity Range:	0 to 95% non-condensing
Intrinsic Safety Certifications:	UL, cUL, MSHA, Ex, ATEX
Product Standards:	CE Mark, EN 61252, ANSI S1.25
Software Compatibility:	QuestSuite Professional II and HyperTerminal
Optional Features:	Vibrating alarm belt clip and boom microphone

All Specifications Subject to Change



Occupational Health & Environmental Safety Division

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