

# EDGE 4+ NOISE DOSIMETERS

The Edge 4+ Personal Noise Dosimeters are powerful and intuitive instruments designed for identifying hearing loss threats.

## FEATURES

- + Compact, 3-ounce (85 grams) unit mounts easily to the shoulder
- + Large color OLED display for easy reading
- + LED dose indicator flashes when dose level has been exceeded
- + Equipped with two independent dosimeters that can simultaneously measure against separate industry standards
- + Configurable auto display shut off for increased battery life





# THE EDGE 4+

## Personal Noise Dosimeter

Model Number	Description
EG4P-NB	Color Screen, No Wireless Connectivity
EG4P-NB-AC3	Color Screen, No Wireless Connectivity, with AC-300 Calibrator
EG4P-NB-D	Color Screen, No Wireless Connectivity, with Docking Station
EG4P-NB-D-AC3	Color Screen, No Wireless Connectivity, with Docking Station and AC-300

5 Pack Dosimeter Kits are also available

### Functional Requirements Include

Microphone	1/4 inch prepolarized condenser (electret) field replaceable threaded microphone
Measuring Range	70dB - 140dB
Windscreen	Rugged foam permanently attached to a threaded mount for maximum protection

### Dosimeter

The Edge 4+ has two independent dosimeters.

Thresholds	Selectable from 70dB to 90dB or none
Exchange Rates	3dB, 4dB or 5dB for each dosimeter
Criterion Levels	From 70dB to 90dB in 1dB increments

### Measurement Settings

RMS Range	70dB to 140dB
RMS Weighting	A or C
RMS Time Response	Fast or Slow
Frequency Weighting	A, C, Z

### Peak Detector

Peak Range	110dB to 143dB
Peak Weighting	Selectable C or Z (Peak is independent of the RMS dosimeter settings)

### Displayed Data / Values

+ $L_{AVG}$ or $L_{EQ}$	+ Current Date	+ Run Time
+ Exposure	+ SPL	+ Max Level
+ Min Level	+ SEL ( $L_{EP}$ )	+ Dose
+ Threshold (TR)	+ TWA	+ Identity Field
+ Peak Level	+ Upper Limit (UL)	(Assigns a custom name to The Edge)

### Displayed Status Indicators

+ Battery	+ Memory
+ Run/Pause	+ Overload Indication
+ Dose Exposure Indicator (Multicolored LED, user selectable)	

### Docking Station: Single and Five Bay Versions

Communications	Via the EdgeDock and USB to PC
Typical recharge	2 to 4 hours

### Power / Electrical Characteristics

Battery	Lithium Polymer (Flat cell)
Battery Life	60+ hours with display timeout enabled 20 hours without display timeout enabled
Battery Charge	Quick charge in EdgeDock in 2 to 4 hours. Daily data download with simultaneous battery charging recommended for maximum efficiency
Memory Capacity	180 hours
Communications	Short haul serial Infrared (SIR) via the EdgeDock

### Standards

ANSI S1.25 Personal Noise Dosimeters  
IEC61252 Personal Sound Exposure Meters

### Physical Characteristics

Weight	3 ounces (85 grams)
Size	3.5" long x 2.1" wide x .75" thick (88mm x 53mm x 19mm)
Case Material	Engineered Polymer
IP Rated	65
Keypad	4 keys - Up Arrow, Down Arrow, Run/Stop, On/Off, Enter
Display	128 x 64 color OLED
RoHS Compliant	
Lockable Windscreen	
Alligator Clothing Clip / Suspender Clasp	

### Regional Bluetooth Approvals

+ FCC ID: VPYLBZY
+ JAPAN: [R]001-P00500
+ CAN IC: 772C-LBZY
+ CE

### Environmental Characteristics

Operating Temperature Range	14 °F to 122 °F (-10 °C to 50 °C)
Storage Temperature Range	-13 °F to 140 °F (-25 °C to 60 °C)
Humidity Range	0 to 95% Non-Condensing

### Additional Features

Device Setup	Easy, quick setup via DMS software in Chinese, Czech, English, French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, and Turkish
Data Logging	$L_{AVG}$ or $L_{EQ}$ , Max, Peak and Overload Indication at one minute intervals
Calibration times displayed	
Lock out security function (multilevel)	

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