

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)	



TSI Incorporated - Visit our website www.tsi.com for more information.

USA	Tel: +1 800 874 2811	India	Tel: +91 80 67877200
UK	Tel: +44 149 4 459200	China	Tel: +86 10 8219 7688
France	Tel: +33 1 41 19 21 99	Singapore	Tel: +65 6595 6388
Germany	Tel: +49 241 523030		