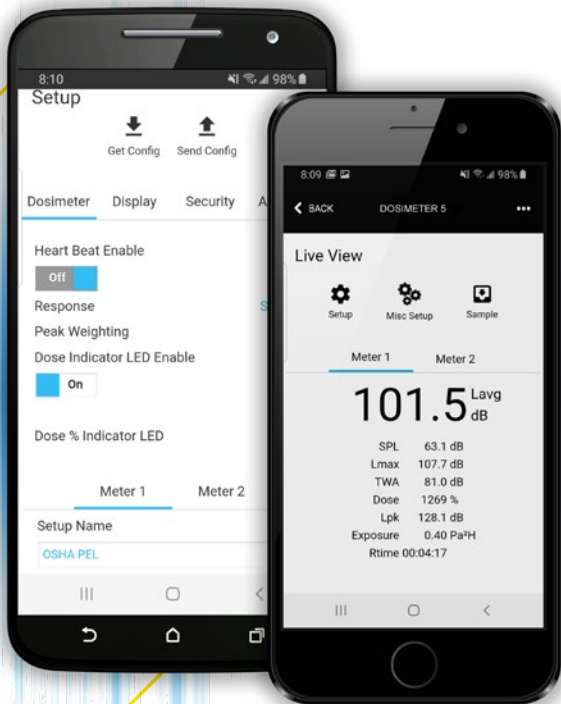# EDGE 4+
NOISE DOSIMETERS
NOISE MONITORING, WITHOUT INTERRUPTIONS

The TSI Quest™ Edge 4+ Noise Dosimeter allows users to monitor personal noise exposure levels in real-time with a mobile application. The ability to monitor from a safe distance allows workers to continue tasks, without interruption.

EDGE 4+

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

+ Bluetooth option syncs to the Edge 4+ mobile app for total management of the dosimeter
+ 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

MONITOR NOISE AT A DISTANCE

The Edge 4+ features the Edge dB mobile app for monitoring worker noise exposure from a safe distance on your tablet or smartphone.

+ Ability to monitor multiple dosimeters from a distance, minimizing interruptions to those wearing the instruments
+ Keeps users safe from potentially hazardous noise levels
+ Mobile app is compatible with iOS version 10.0 or greater, and Android version 4.3 or greater

TSI | QUEST™

THE EDGE 4+
Personal Noise Dosimeter

Model Number	Description
EG4P	Color Screen, Wireless Connectivity
EG4P-AC3	Color Screen, Wireless Connectivity, with AC-300 Calibrator
EG4P-D	Color Screen, Wireless Connectivity, with Docking Station
EG4P-D-AC3	Color Screen, Wireless Connectivity, with Docking Station and AC-300

Bluetooth products can only be sold in approved regions – see Regional Bluetooth Approvals section below

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

Product Without Bluetooth: 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}
+ Exposure
+ Min Level
+ Threshold (TR)
+ Peak Level
+ Current Date
+ SPL
+ SEL (L_{EP})
+ TWA
+ Upper Limit (UL)
+ Run Time
+ Max Level
+ Dose
+ Identity Field (Assigns a custom name to The Edge)

Displayed Status Indicators

+ Battery
+ Run/Pause
+ Memory
+ 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	40hrs
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

Regional Bluetooth Approvals

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

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

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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