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+ NOISE DOSIMETERS**

NOISE MONITORING, WITHOUT INTERRUPTIONS

**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
### The Edge 4+

#### Personal Noise Dosimeter

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG4P</td>
<td>Color Screen, Wireless Connectivity</td>
</tr>
<tr>
<td>EG4P-AC3</td>
<td>Color Screen, Wireless Connectivity, with AC-300 Calibrator</td>
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<td>EG4P-D</td>
<td>Color Screen, Wireless Connectivity, with Docking Station</td>
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<tr>
<td>EG4P-D-AC3</td>
<td>Color Screen, Wireless Connectivity, with Docking Station and AC-300</td>
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</tbody>
</table>

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_{A,MEAN} or L_{A,C}
  - Exposure
  - Min Level
  - Threshold (TR)
  - Peak Level
  - Current Date
  - SPL
  - SEL (L_{CT})
  - TWA
  - Upper Limit (UL)
  - Run Time
  - Max Level
  - Dose
  - Identity Field
  - (Assigns a custom name to The Edge)

#### Displays 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**: 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: VPPLEBZY + JAPAN: [R]001-P00500
+ CAN IC: 772C-LBZY + 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_{A,MEAN} or L_{A,C}, Max, Peak and Overload Indication at one minute intervals
- **Calibration times displayed**
- **Lock out security function (multilevel)**

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Printed in U.S.A. P/N 5002349 Rev C ©2019 TSI Incorporated