



## 3M™ PELTOR™ Electronic Earplug, EEP-100

### Product Description



The 3M™ PELTOR™ Electronic Earplug helps protect your hearing, and can help improve situational awareness and communications in challenging environments.

The earpieces are rechargeable via a USB port on the charging case. The case also provides easy and convenient storage of the earpieces when not being used. The small and lightweight design helps improve the overall comfort and user experience, and can be used in combination with other 3M Personal Safety Equipment (PPE), such as helmets and face shields.

### Key Features

- Helps provide hearing protection
- Level-dependent function (for situational awareness)
- Intuitive one-button operation
- Rechargeable
- Durable storage and charging case (IP54)
- Small and lightweight design
- Compatible with most head borne 3M Personal Protective Equipment

### Common Applications

- Construction
- Maintenance
- Manufacturing
- Shooting

### Standards and Approvals

- Ingress Protection Rating: Earpieces and Case (with lid and USB port securely closed) are IP54 compliant.

- Noise Reduction Rating (NRR) tested in accordance with ANSI S3.19-1974

## Included

- 2 x Earplugs
- 1 x Charging case
- 2 x 3M™ UltraFit™ Communication Tips Replacement, Large
- 2 x 3M™ UltraFit™ Communication Tips Replacement, Medium
- 2 x 3M™ UltraFit™ Communication Tips Replacement, Small
- 2 x 3M™ PELTOR™ Communication Tip, Triple C
- 1 x USB cable
- 1 x User Instructions

## Models

| Article Number | Description                             | 3M ID       |
|----------------|-----------------------------------------|-------------|
| EEP-100        | 3M™ PELTOR™ Electronic Earplug, EEP-100 | 70071730793 |

## Accessories and Spare Parts

| Article Number | Description                                                    | 3M ID       |
|----------------|----------------------------------------------------------------|-------------|
| TEP-CORD       | 3M™ PELTOR™ Tactical Earplug Replacement Cord                  | 70071673795 |
| 370-TEPL-25    | 3M™ UltraFit™ Communication Tips Replacement, Large, 25 pairs  | 70071673746 |
| 370-TEPM-25    | 3M™ UltraFit™ Communication Tips Replacement, Medium, 25 pairs | 70071673738 |
| 370-TEPS-25    | 3M™ UltraFit™ Communication Tips Replacement, Small, 25 pairs  | 70071673720 |
| 370-1019-10    | 3M™ Skull Screws™, Communication Tips, 10 pairs                | 70071615275 |
| CCC-GRM-25     | 3M™ PELTOR™ Communication Tip, Triple C, 25 pairs              | 70071675212 |
| TEP-WINDSCREEN | 3M™ PELTOR™ TEP/LEP WINDSCREEN FOAM                            | 70071675907 |

## Technical Data Specifications

| Model            |                  |
|------------------|------------------|
| Microphone Type: | Omni-directional |

| Earplug Power/Electrical Characteristics |                |
|------------------------------------------|----------------|
| Earplug Battery Type:                    | Lithium Ion    |
| Earplug Battery Life:                    | Up to 16 hours |

| Earplug Power/Electrical Characteristics |                            |
|------------------------------------------|----------------------------|
| Earplug Battery Charge Time:             | Approximately 180 minutes  |
| Earplug Volume Steps:                    | 3 steps, Low, Normal, High |
| Case USB Type:                           | Micro B                    |

| Standards                  |                                                    |
|----------------------------|----------------------------------------------------|
| Ingress Protection Rating: | Complies with IP54 with cover and USB port closed. |
| NRR:                       | Tested in accordance with ANSI S3.19-1974          |

| Physical Characteristics                                                             |                                                    |
|--------------------------------------------------------------------------------------|----------------------------------------------------|
| Case Size (L x W x H):                                                               | 89.6 mm x 61.6 mm x 27.3 mm                        |
| Case Material:                                                                       | ABS                                                |
| Earplug Keypad:                                                                      | One button operation (On / Off / Volume Selection) |
| RoHS Compliance:                                                                     | RoHS II                                            |
| Weight Box containing charger, 2 Earplugs, 4 pair communications Eartips, USB cable: | 8.46 oz                                            |
| Weight Charger:                                                                      | 2.01 oz                                            |
| Weight: 1 earpiece:                                                                  | 0.13m oz                                           |

| Environmental Characteristics   |                                   |
|---------------------------------|-----------------------------------|
| Storage temp range:             |                                   |
| 1 Year:                         | -4 °F to 68 °F (-20 °C to 20 °C)  |
| 3 Month:                        | -4 °F to 113 °F (-20 °C to 45 °C) |
| 1 Month:                        | -4 °F to 140 °F (-20 °C to 60 °C) |
| Earpiece Operating temperature: | -4 °F to 122 °F (-20 °C to 50 °C) |
| Charger Operating temperature:  | 32 °F to 113 °F (0 °C to 45 °C)   |

## Laboratory Attenuation

Research suggests that users may receive less noise reduction than indicated by the attenuation value(s) on the packaging, due to variation in fit, fitting skill, and motivation of the user. Refer to your applicable regulations for guidance on how to adjust label values and estimate attenuation. In addition, 3M strongly recommends fit testing of hearing protectors.

**Table 1: 3M™ UltraFit™ Eartips**

| Frequency (Hz)          | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR   | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|-------|-----------|
| Mean Attenuation (dB)   | 36.2 | 33.7 | 34.7 | 32.0 | 34.5 | 37.4 | 35.6 | 38.0 | 37.5 | 23 dB | AL        |
| Standard deviation (dB) | 5.1  | 5.2  | 5.5  | 3.9  | 3.4  | 5.3  | 6.5  | 4.4  | 5.4  |       |           |

**Table 2: 3M™ Triple-C Communication Eartips**

| Frequency (Hz)          | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR   | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|-------|-----------|
| Mean Attenuation (dB)   | 34.5 | 30.6 | 36.3 | 35.2 | 35.5 | 38.6 | 37.6 | 44.6 | 45.7 | 27 dB | AL        |
| Standard deviation (dB) | 4.2  | 3.9  | 4.1  | 3.0  | 3.5  | 3.3  | 3.8  | 3.6  | 4.3  |       |           |

**Table 3: 3M™ Skull Screws™ Eartips (not included)**

| Frequency (Hz)          | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR   | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|-------|-----------|
| Mean Attenuation (dB)   | 36.3 | 35.7 | 39.8 | 41.4 | 40.4 | 43.0 | 41.9 | 48.2 | 46.0 | 30 dB | AL        |
| Standard deviation (dB) | 5.3  | 5.5  | 5.5  | 4.2  | 3.4  | 4.6  | 3.5  | 4.6  | 4.2  |       |           |

## CAUTION

When worn according to the User Instructions, these hearing protectors help reduce exposure to both continuous noises, such as industrial noises and noises from vehicles and aircraft, as well as very loud impulse noises, such as gunfire. It is difficult to predict the required and/or actual hearing protection obtained during exposure to impulse noises. For gunfire, the weapon type, number of rounds fired, proper selection, fit and use of hearing protection, proper care of hearing protection, and other variables will impact performance. To learn more about hearing protection for impulse noise, visit [www.3M.com/hearing](http://www.3M.com/hearing).

## WARNING

### Hearing Protection Products\*

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury.** For proper use, see supervisor, User instructions, or call 3M Technical Service in the U.S.A at 1-800-243-4630. If there is any drainage from your ear or you have an ear infection, consult with your physician before wearing earplugs. Failure to do so may result in hearing loss or injury.

Choking Hazard - Keep away from infants and small children.

## Warranty and Important Notice

### Warranty

The warranty does not cover any damage caused by neglected maintenance or careless handling. For more information on maintenance, please see the user instruction. For complete warranty condition, contact your dealer or local 3M office.

### Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The User is responsible for determining the suitability of the products for their intended use. 3M acknowledges the respective Trademark Owners' rights in this literature.

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3M PSD products are  
occupational use only.

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