



**PELTOR™**  
Protection & Communication

## 3M™ PELTOR™ Electronic Earplug, EEP-100 Technical Data Specifications

| Model           |                  |
|-----------------|------------------|
| Microphone type | Omni-directional |

| Earpiece Power / Electrical Characteristics |                           |
|---|---------------------------|
| Earpiece battery type                       | Lithium ion               |
| Earpiece battery life                       | Up to 16 hours            |
| Earpiece battery charge time                | Approximately 180 minutes |
| Earpiece volume steps                       | Low, normal, high         |
| Case USB type                               | Micro B                   |

| Standards         |  |
|-------------------|--|
| Waterproof 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  |
| Earpiece keypad  | One-button operation (On / Off / Volume Selection) |
| RoHS compliance  | RoHS II  |
| Weight: Box containing charger, 2 Earplugs, 4 pair communications Eartips, USB cable | 239.84 g (8.46 oz)                                 |
| Weight: Charger  | 56.98 g (2.01 oz)                                  |
| Weight: 1 earpiece   | 3.685 g (0.13 oz)                                  |

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

### EEP-100 with 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  |       |           |

### EEP-100 with 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  |       |           |

### EEP-100 with 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  |       |           |

### WARNING!

#### Hearing Protection Products\*

This hearing protector helps reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protection at all times when exposed to hazardous noise may result in hearing loss or injury. For correct use, consult supervisor and User Instructions, or call 3M Technical Service at 1-800-665-2942. If your hearing seems dulled or you hear a ringing or buzzing during or after any noise exposure (including gunfire), or for any other reason you suspect a hearing problem, leave the noisy environment immediately and consult a medical professional and/or your supervisor.

3M strongly recommends individual fit testing of hearing protectors. If the NRR is used to estimate typical workplace protection, 3M recommends that the noise reduction value be reduced by 50% or in accordance with applicable regulations.

**NOTE!** When worn according to the User Instructions, this hearing protector helps 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. If your hearing seems dulled or you hear a ringing or buzzing during or after any noise exposure (including gunfire), or for any other reason you suspect a hearing problem, your hearing may be at risk. To learn more about hearing protection for impulse noise, please visit [www.3M.com/hearing](http://www.3M.com/hearing).

3M Hearing Solutions

# Hearing Protection and Situational Awareness

3M™ PELTOR™ Electronic Earplug, EEP-100

3M™ PELTOR™ Electronic Earplug, EEP-100, can help users protect their hearing, but also helps improve situational awareness and face-to-face communication.



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3M Personal Safety Division products are for occupational use only.

3M™ PELTOR™ Electronic Earplug, EEP-100

# Compact Hearing Protection for Improved Situational Awareness

3M™ PELTOR™ Electronic Earplug helps protect against harmful noise, while allowing ambient sounds to be heard at a level below 82dB. It increases your ability to communicate with nearby colleagues, as well as hear warning signals, approaching vehicles, or sounds in machines and processes.

## Communication

The earpieces are rechargeable via a USB jack 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 makes it compatible with most head-worn 3M Personal Safety Equipment (PPE), such as helmets and face shields.

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

| Product Number | Product Description                         |
|----------------|---|
| EEP-100        | 3M™ PELTOR™ Electronic Earplug Kit, EEP-100 |

## Accessories and Earplug Tips

| Product Number | Product Description   |
|----------------|---|
| TEP-CORD       | Replacement Cord  |
| 370-TEPL-25    | UltraFit™ Communication Ear Tips Replacement, Large, 25 pairs (NRR 23 dB, CSA Class AL) |
| 370-TEPM-25    | UltraFit™ Communication Tips Replacement, Medium, 25 pairs (NRR 23 dB, CSA Class AL)    |
| 370-TEPS-25    | UltraFit™ Communication Tips Replacement, Small, 25 pairs (NRR 23 dB, CSA Class AL)     |
| CCC-GRM-25     | Triple-C Communication Ear Tips, 25 pairs (NRR 27 dB, CSA Class AL)                     |
| 370-1019-10    | Skull Screw™, Communication Tips, 10 pairs (NRR 30 dB, CSA Class AL)                    |
| TEP-WINDSCREEN | Foam Windscreen for TEP/LEP and EEP   |

