

## 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 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-borne 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

Waterproof Rating: Earpiece 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 number
EEP-100	3M™ PELTOR™ Electronic Earplug, EEP-100	70071730793

### Accessories and Spare parts

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 Screw™, 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

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

### 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 Battery Charge Time: Approximately 180 minutes  
 Earplug Volume Steps: 3 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  
 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  
 3 Month: -4°F to 113°F  
 1 Month: -4°F to 140°F  
 Earpiece Operating temp: -4°F to 122°F  
 Charger Operating temp: 32°F to 113°F

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

### 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

#### 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		

#### 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		

#### 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\*

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.

**CAUTION!** 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).



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**For More Information**  
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#### 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. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.