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 × 3M™ UltraFit Communication Tips Replacement, Large
2 × 3M™ UltraFit Communication Tips Replacement, Medium
2 × 3M™ UltraFit Communication Tips Replacement, Small
2 × 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

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

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: 3 Month: 1 Month	 -4°F to 68°F -4°F to 113°F -4°F to 140°F
Earpiece Operating temp	-4°F to 122°F
Charger Operating temp	32°F to 113°F

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.

3M Personal Safety Division
3M Center, Building 235-2NW-70
St. Paul, MN 55144-1000
3M.com/PELTOR
For More Information
Technical Service 1-800-665-2942
Customer Service 1-800-328-1667

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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
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