

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

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. |
| SNR | PPE directive 89/686/EEC |

| 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 | 240 g |
| Weight: Charger | 57.1 g |
| Weight: 1 earpiece | 4 g |

| Environmental Characteristics | |
|-------------------------------|--------------|
| Storage temp (complete kit) | |
| 1 Year | -20 to +20°C |
| 3 Month | -20 to +45°C |
| 1 Month | -20 to +60°C |
| Earpiece Operating temp | -20 to +50°C |
| Charger Operating temp | 0 to +45°C |

EEP-100 with Ultrafit™ Eartips

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 34,5 | 31,5 | 36,2 | 33,4 | 34,8 | 34,9 | 38,8 |
| Standard deviation (dB) | 6,0 | 5,4 | 5,6 | 4,3 | 3,8 | 5,0 | 4,0 |
| Assumed Protection Value (dB) | 28,5 | 26,1 | 30,6 | 29,1 | 31,0 | 29,9 | 34,8 |

SNR=32 dB H=31 dB M=30 dB L=29 dB

EEP-100 with PELTIP5-01/Torque™ Eartips (not incl.)

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 37,8 | 36,0 | 40,5 | 41,2 | 41,3 | 39,6 | 46,1 |
| Standard deviation (dB) | 4,3 | 5,5 | 4,2 | 4,7 | 3,2 | 4,3 | 3,6 |
| Assumed Protection Value (dB) | 33,5 | 30,5 | 36,3 | 36,5 | 38,0 | 35,3 | 42,5 |

SNR=38 dB H=37 dB M=36 dB L=34 dB

EEP-100 with CCC-GRM-25 Eartips

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 35,5 | 32,5 | 37,1 | 38,0 | 37,6 | 39,5 | 45,5 |
| Standard deviation (dB) | 4,5 | 4,0 | 4,4 | 3,7 | 2,9 | 4,6 | 4,2 |
| Assumed Protection Value (dB) | 30,9 | 28,4 | 32,7 | 34,3 | 34,6 | 34,9 | 41,3 |

SNR=36 dB H=35 dB M=34 dB L=32 dB

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. 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.

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.

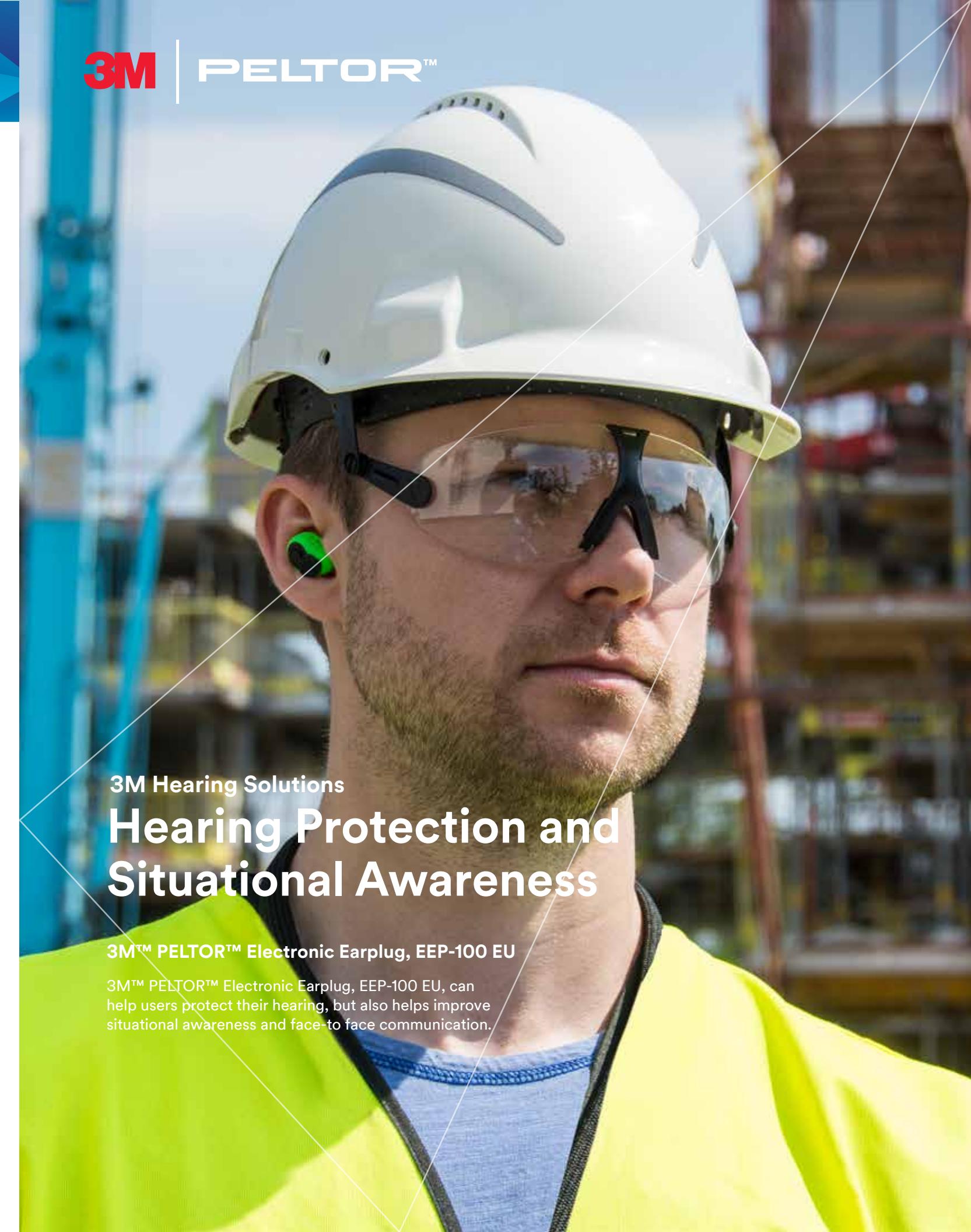
NOTE! When worn according to the User Instructions, this hearing protector helps reduce exposure to both continuous noises, such as industrial noises and noises from vehicles and aircraft, as well as very loud impulse noises, such as gunfire. It is difficult to predict the required and/or actual hearing 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.

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.



3M Hearing Solutions

Hearing Protection and Situational Awareness

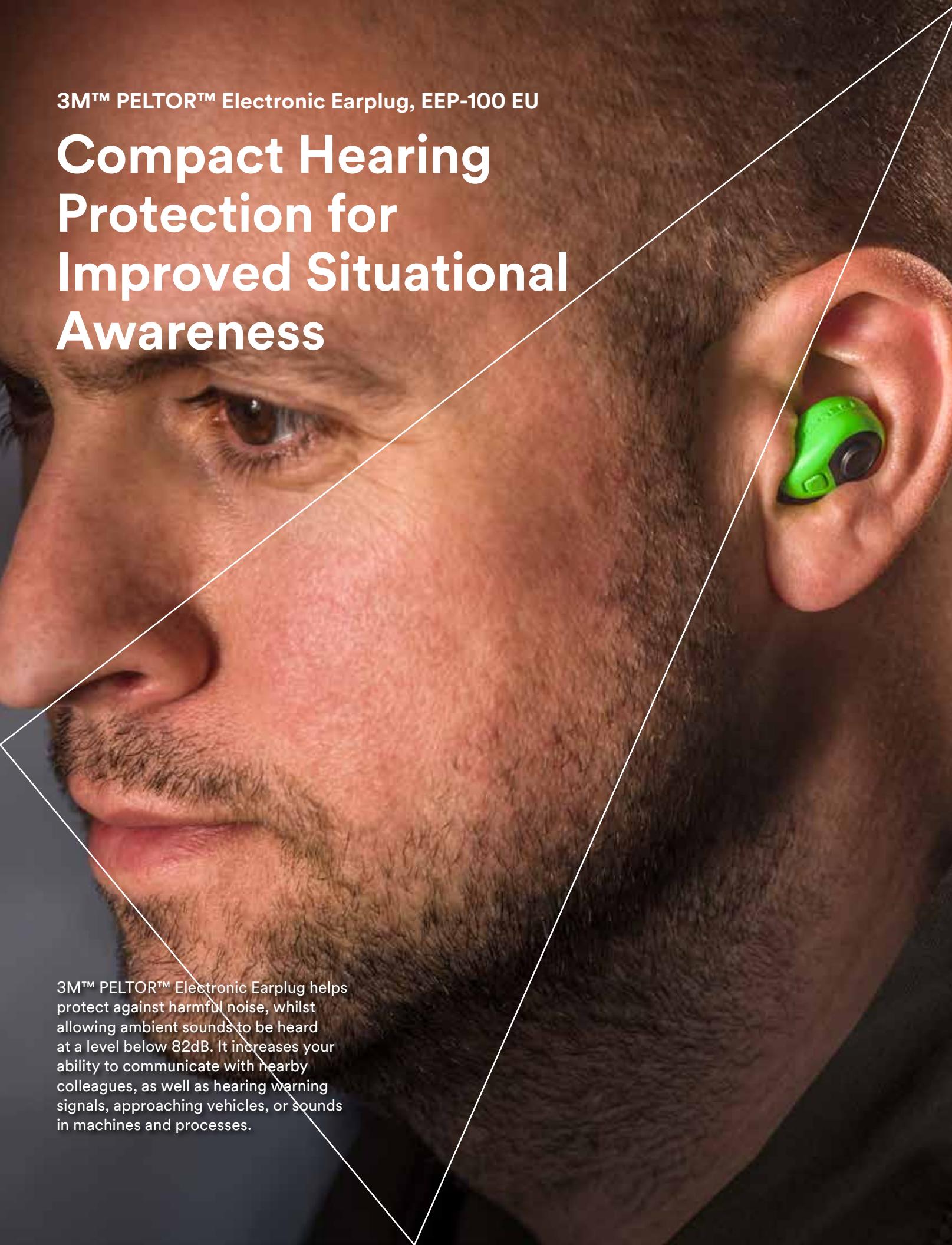
3M™ PELTOR™ Electronic Earplug, EEP-100 EU

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

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

Compact Hearing Protection for Improved Situational Awareness

3M™ PELTOR™ Electronic Earplug helps protect against harmful noise, whilst allowing ambient sounds to be heard at a level below 82dB. It increases your ability to communicate with nearby colleagues, as well as hearing 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-borne 3M Personal Safety Equipment (PPE), such as helmets and face shields.

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

| Product Number | 3M ID Number | SAP ID Number | Product Description |
|----------------|--------------|---------------|--|
| EEP-100 EU | 70071730793 | | 3M™ PELTOR™ Electronic Earplug Kit, EEP-100 EU |

Accessories and Earplug Tips

| Product Number | 3M ID Number | SAP ID Number | Product Description |
|----------------|--------------|---------------|--|
| TEP-CORD | 70071673795 | 7100074090 | Replacement Cord |
| 370-TEPL-25 | 70071673746 | 7100066388 | UltraFit™ Communication Tips Replacement, Large, 25 pairs |
| 370-TEPM-25 | 70071673738 | 7100066387 | UltraFit™ Communication Tips Replacement, Medium, 25 pairs |
| 370-TEPS-25 | 70071673720 | 7100066371 | UltraFit™ Communication Tips Replacement, Small, 25 pairs |
| CCC-GRM-25 | 70071675212 | 7100103087 | Triple-C Communication Ear tips, 25 pairs |
| PELTIP5-01 | XH001679626 | 7000108492 | Torque™ Eartips, 50 pairs |
| TEP-WINDSCREEN | 70071675907 | 7100113748 | Foam Windscreen for TEP/LEP and EEP |

