

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.

Arco Limited
P.O. Box 21,
Waverley Street,
Hull HU1 2SJ

UK
0330 390 2050 (local rate)
sales@support.arco.co.uk
www.arco.co.uk
Visit your nearest store, find opening times,
address detail and directions at www.arco.co.uk/branchloc

Ireland
01 409 5000
www.arcosafety.ie
Visit Arco Safety Centre Dublin find more information at
www.arcosafety.ie/branchloc

Please recycle.
© 3M 2018. All rights reserved.
3M, UltraFit, and Torque are trademarks of 3M
Company, used under license in Canada.

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	Arco Code	Product Description	
EEP-100 EU	B423560		3M™ PELTOR™ Electronic Earplug Kit, EEP-100 EU

Accessories and Earplug Tips - available on request

Product Number	Product Description		
TEP-CORD			Replacement Cord
370-TEPL-25			UltraFit™ Communication Tips Replacement, Large, 25 pairs
370-TEPM-25			UltraFit™ Communication Tips Replacement, Medium, 25 pairs
370-TEPS-25			UltraFit™ Communication Tips Replacement, Small, 25 pairs
CCC-GRM-25			Triple-C Communication Ear tips, 25 pairs
PELTIP5-01			Torque™ Eartips, 50 pairs
TEP-WINDSCREEN			Foam Windscreen for TEP/LEP and EEP

Button
Intuitive one-button operation turns unit on, off, and selects volume settings (3).

Microphone Port
Helps minimize wind noise. Additional windscreen accessory also available.

Hearing Protection
Replaceable communications eartip helps provide hearing protection in noisy environments. Multiple sizes and types designed to fit most ear canals

Rechargeable
Charging contacts recharge the unit while in the case. Li-ion battery provides up to 16 hours of continuous operation.

Design
Corner radius designed to help soften contact zone and increase comfort

Clear lid
Enables easy visibility of charging status when closed.

Sealing Ring
Rubber sealing ring helps protect earplugs in wet and dirty environments.

Charging Case
Pocket-sized storage and charging container. Including charging status indicator.

Micro B USB Charging Port
USB port enables the charging of the earplugs when plugged into a computer or wall socket (USB cable included).

