

Technical data sheet



Product: EEP-100

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: ARBEITSSCHUTZ

Article group: GEHÖRSCHUTZ

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3M™ PELTOR™ EEP-100 EU OR

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Tewipack Uhl GmbH
Industriestraße 15
D-75382 Althengstett

Telephone:
+49(0)7051/9297-0
Fax:
+49(0)7051/9297-99

E-Mail:
info@tewipack.de
Website:
www.tewipack.de

Managing director:
Alexander Uhl,
Michael Uhl
HRB 330424
Amtsgericht
Stuttgart

Bank details:
Sparkasse
Sindelfingen
Pforzheim
Calw
BLZ 666 500
85
Konto 17 787

Commerzbank
Sindelfingen
BLZ 603 400 71
Konto 8 001 166

Vereinigte
Volksbank AG
Böblingen
BLZ 603 900 00
Konto 80 089
003

Postbank
Stuttgart
BLZ 600 100
70
Konto 146
294 708

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

Product Description

The 3M™ PELTOR™ Electronic Earplug, EEP-100 helps protect your hearing, and can help improve situational awareness and communications in challenging environments.

Integrated with level-dependent technology, the EEP-100 helps provide hearing protection in noise and enhanced situational awareness in quiet environments.

The small and lightweight design helps improve the overall comfort and user experience.

Key Features

- Helps provide hearing protection
- Level-dependent function (for enhanced situational awareness)
- Intuitive one-button operation
- Durable storage and charging case (IP54)
- Small and lightweight design
- Replaceable eartips
- Cord and Windscreen included

Common Applications

Forestry, Agriculture, Hunting and Shooting

Standards and Approvals

Hereby, 3M Svenska AB declares that the product is in compliance with appropriate directives or regulations to fulfill the requirements for the CE marking.

The full text of the EU declaration of conformity is available at the following internet address: www.3M.com/PELTOR/DOC.

A copy of the declaration of conformity and additional information required in the directives or regulations can also be obtained by contacting 3M in the country of purchase.



Models:

Article number	Description	3M ID number
EEP-100 EU OR	3M™ PELTOR™ Electronic Earplug, EEP-100 EU OR Kit, Cord and Windscreen incl.	7100232825

Accessories and Spare parts

370-TEPL-25	3M™ UltraFit™ Communication Tips Replacement, Large, 25 pairs	7100066388
370-TEPM-25	3M™ UltraFit™ Communication Tips Replacement, Medium, 25 pairs	7100066387
370-TEPS-25	3M™ UltraFit™ Communication Tips Replacement, Small, 25 pairs	7100066371
PELTIP5-01	3M™ Torque™ Eartips, 50 pairs	7000108492
CCC-GRM-25	3M™ PELTOR™ Communication Tip, Triple C, 25 pairs	7100103087
TEP-WINDSCREEN	3M™ PELTOR™ TEP/LEP WINDSCREEN FOAM	7100113748
TEP-CORD	3M™ PELTOR™ Tactical Earplug Replacement Cord	7100074090

Technical data specifications

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

Technical data specifications

Model

Microphone Type: Omni-directional

Earplug Power / Electrical Characteristics

Earplug Battery Type: Lithium Ion
 Earplug Battery Life: Approximately: 16 hours
 Earplug Battery Charge Time: Approximately: 180 minutes
 Earplug Volume Steps: 3 steps, (-6dB, +0dB, +6dB)
 Case USB Type: Micro B

Waterproof Rating: Complies with IP54 with cover and USB port closed.

SNR: PPE regulation 2016/425

Physical Characteristics

Case Size (L x W x H): 89.6mm x 61.6mm x 27.3mm
 Case Material: ABS
 Earplug Keypad: One button operation (On / Off / Volume / Comms)

RoHS Compliance: RoHS II

Weight Box containing charger, 2 Earplugs, 5 pair communications Eartips, USB cable, Cord, Windscreen: Approximately: 240 g

Weight: Charger: Approximately: 57 g

Weight: 1 earpiece: Approximately: 4 g

Environmental Characteristics

Storage temp (complete kit): -20 to +50°C


Earpiece Operating temp: -20 to +50°C

Charger Operating temp: 0 to +45°C

Shelf time (battery): Max 12 Months


Laboratory Attenuation

Ultrafit™ Eartips




Frequency (Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MV (dB)	34.5	31.5	36.2	33.4	34.8	34.9	38.8	34.5	33.6	33.0	35.2
SD (dB)	6.0	5.4	5.6	4.3	3.8	5.0	4.0	3.7	4.0	4.6	3.8
APV = MV - SD (dB)	28.5	26.1	30.6	29.1	31.0	29.9	34.8	31	30	28	31

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



Frequency (Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MV (dB)	37.8	36.0	40.5	41.2	41.3	39.6	46.1	40.3	39.9	38.2	41.0
SD (dB)	4.3	5.5	4.2	4.7	3.2	4.3	3.6	3.0	3.4	4.1	3.1
APV = MV - SD (dB)	33.5	30.5	36.3	36.5	38.0	35.3	42.5	37	37	34	38

CCC-GRM-25 Eartips



Frequency (Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MV (dB)	35.5	32.5	37.1	38.0	37.6	39.5	45.5	38.0	37.1	35.2	38.7
SD (dB)	4.5	4.0	4.4	3.7	2.9	4.6	4.2	2.6	3.1	3.6	2.8
APV = MV - SD (dB)	30.9	28.4	32.7	34.3	34.6	34.9	41.3	35	34	32	36

WARNING! 3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations for guidance on how to adjust attenuation label values. In the absence of applicable regulations, it is recommended that the SNR be reduced to better estimate typical workplace protection.

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.



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. Always read and follow User Instructions.



3M Personal Safety Division
 3M Svenska AB, Box 2341
 SE-331 02 Värnamo
 Sweden
 Internet: www.3M.com/PELTOR

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