

## 3M™ PELTOR™ Level Dependent Earplug, LEP-200 EU OR

### Product Description

The 3M™ PELTOR™ Level Dependent Earplug LEP-200 helps protect your hearing, and can help improve situational awareness and communications in challenging environments. Integrated with level-dependent technology, the LEP-200 helps provide hearing protection in noise and enhanced situational awareness in quiet environments. Ear pieces also include a small antenna to allow audio signals to be received wirelessly from a neckloop accessory sold separately.

### Key Features

- Helps provide hearing protection
- Level-dependent function (for enhanced situational awareness)
- Intuitive one-button operation
- Automatically charge in the box
- Allow audio signals to be received wirelessly from a neckloop accessory
- Replaceable eartips

### Applications

Forestry, Agriculture.

### 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](http://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
LEP-200 EU OR	3M™ PELTOR™ LEP-200 EU OR Level Dependent Earplug Kit	7100233826

### Accessories and Spare parts

TEP-LOOP-201	3M™ PELTOR™ Neckloop with 3.5mm mono connector	7100169170
LEP-200E OR	3M™ PELTOR™ Replacement Earpiece	7100233884
LEP-200C OR	3M™ PELTOR™ LEP Earplug Replacement Case	71400233705
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, 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™ Level Dependent Earplug, LEP-200 EU OR

### 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: 90 minutes
Earplug Volume Steps:	4 steps, -6dB, +0dB, +6dB, +10dB
Case Battery Type:	3 AA Alkaline Batteries
Case Battery Life:	Up to 16 recharging cycles
Case USB Type:	Micro B

#### Standards

Waterproof Rating Case:	IP54 with Cover and USB port closed
Waterproof Rating Earbud:	IP67
SNR	PPE directive 89/686/EEC

#### Physical Characteristics

Case Size (L x W x H):	114.2 mm x 78.2 mm x 26.9 mm
Case Material:	ABS
Earplug Keypad:	One button operation (On / Off / Mode Selection)
Case Keypad:	One button operation (Charging Status)
RoHS Compliance:	RoHS II
Weight Box containing charger, 2 Earplugs, 4 pair communications eartips, cord, Wind-screen, 3 AA batteries:	Approximately: 272 g
Weight Charger with batteries, 2 earpieces, and cord:	Approximately: 198 g
Weight: Charger	Approximately: 119 g
Weight: 1 earpiece:	Approximately: 4 g

#### Environmental Characteristics

Storage temp (complete kit):	-20 to +50°C (-4°F to 122°F)
Earpiece Operating temp	-20 to +50°C (-4°F to 122°F)
Charger Operating temp	0 to +45°C (32°F to 117°F)
Shelf time (battery):	Max 12 Months



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### Laboratory Attenuation

#### 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

#### PELTIP5-01/Torque™ Eartips

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

#### 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!** 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](http://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.