

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

### Product Description

The 3M™ PELTOR™ Level Dependent Earplug 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 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 ambient listening)
- Intuitive one-button operation
- Rechargeable
- Allow audio signals to be received wirelessly from a neckloop accessory

### Applications

Construction, Maintenance, Manufacturing, Hunting / Shooting.

### Standards and Approvals

3M Svenska AB hereby declares that this 3M™ PELTOR™ Headset is in compliance with the essential requirements and other provisions set out in the appropriate directives.

Thereby they fulfil the requirements for CE marking.

Hereby, 3M Svenska AB declares that the radio equipment type ambient listening device is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.3M.com/peltor/doc>

The product has been tested and approved in accordance with [EN 352-2:2002, EN 352-7:2003, prEN352-9]. Additional information can be obtained by contacting 3M in the country of purchase or 3M Svenska AB, SE 33102 Värnamo, Sweden. For contact information, see last pages of this user instruction. This product contains electrical and electronic components and must not be disposed of using standard refuse collection.

Please consult local directives for disposal of electrical and electronic equipment.

Notified Body Type Examination Certificate acc. directive 89/686/EEC:

PZT GmbH, An der Junkerei 48 F, D-26389 Wilhelmshaven, Germany. Notify body #1974

### Models:

Article number	Description	3M ID number
LEP-200 EU	3M™ PELTOR™ LEP-200 EU Level Dependent Earplug Kit	70-0716-7702-8

### Accessories and Spare parts

TEP-CORD	3M™ PELTOR™ Tactical Earplug Replacement Cord	7100074090
TEP-LOOP-200	3M™ PELTOR™ Neckloop	70-0716-7703-6
LEP-200E	3M™ PELTOR™ Replacement Earpiece	70-0716-7704-4
LEP-100C	3M™ PELTOR™ LEP Earplug Replacement Case	70-0716-7513-9
370-TEPL-25	3M™ UltraFit™ Communication Tips Replacement, Large, 25 pairs	70-0716-7374-6
370-TEPM-25	3M™ UltraFit™ Communication Tips Replacement, Medium, 25 pairs	70-0716-7373-8
370-TEPS-25	3M™ UltraFit™ Communication Tips Replacement, Small, 25 pairs	70-0716-7372-0
PELTIP5-01	3M™ Torque™ Eartips, 50 pairs	XH001679626
CCC-GRM-25	3M™ PELTOR™ Communication Tip	70-0716-7521-2
TEP-WINDSCREEN	3M™ PELTOR™ TEP/LEP WINDSCREEN FOAM	70-0716-7590-7



# Technical data specifications

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

### 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 90 minutes  
 Earplug Volume Steps: 3 steps, Low, Normal, High  
 Case Battery Type: 3 AA Alkaline Batteries  
 Case Battery Life: Up to 16 recharging cycles  
 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): 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, 3 AA batteries: 272 g  
 Weight Charger with batteries, 2 eartips, and cord: 198 g  
 Weight: Charger 119 g  
 Weight: 1 eartip: 4 g

#### Environmental Characteristics

Storage temp (complete kit): -20 to +50°C (-4°F to 122°F)  
 Eartip Operating temp: -20 to +50°C (-4°F to 122°F)  
 Charger Operating temp: 0 to +50°C (32°F to 122°F)

### 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 (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

#### 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\*

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](http://www.3M.com/hearing).



**3M Personal Safety Division**  
 3M Svenska AB, Box 2341  
 SE-331 02 Värnamo  
 Sweden  
 Internet: [www.3M.com/PELTOR](http://www.3M.com/PELTOR)

Please recycle. Printed in Sweden.  
 © 3M 2016. All rights reserved.  
 3M, UltraFit, and Torque are trademarks of 3M Company, used under license in Canada. PELTOR is a trademark of 3M Svenska AB, 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.