



## Technical Specifications

### Speech Microphone Type:

In Ear

### Power / Electrical Characteristics:

|                              |  |
|------------------------------|--|
| Earplug Battery Type:        | Lithium Ion                                  |
| Operating time:              | Approximately 10 hours                       |
| Earplug Battery Charge Time: | Approximately 60 minutes                     |
| Case Battery Type:           | 3 AA or AAA Alkaline Batteries               |
| Case Battery Life:           | Up to 16 recharging cycles with AA batteries |
| Case USB Type:               | Micro C 3.1                                  |

### Near Field Magnetic Induction (NFI):

|                    |                             |
|--------------------|-----------------------------|
| Transmission rate: | 596 kbit/s                  |
| Range:             | Approximately 50 cm (20 in) |
| Frequency:         | 9.8 - 11.7Mhz               |

### Physical Characteristics:

|   |  |
|---|--|
| Case Size (L x W x H):                      | 114.2mm (4.4 in) x 78.2mm (3 in) x 29mm (1.1 in) |
| Case Material:                              | ABS  |
| Weight Charger with batteries, 2 earpieces: | 188 g (6.6 Oz)                                   |
| Weight Charger:                             | 104 g (3.6 Oz)                                   |
| Weight 1 earplug:                           | 4.7 g (0.16 Oz)                                  |

### Environmental Characteristics:

|                          |  |
|--------------------------|--|
| Earpiece operating temp: | -4°F / -20°C to 122°F / 50°C   |
| Charger operating temp:  | 32°F / 0°C to 113°F / 45°C   |
| Shelf Life:              | Max 12 months  |
| Waterproof Rating :      | Earpiece and Case (with lid and USB port securely closed) are rated IP68 |

### Recommended Storage Conditions (<90% humidity):

|           |                              |
|-----------|------------------------------|
| 1 year:   | -4°F / -20°C to 68°F / 20°C  |
| 3 months: | -4°F / -20°C to 113°F / 45°C |
| 1 month:  | -4°F / -20°C to 140°F / 60°C |

### Environmental Performance:

Tested in accordance with MIL-STD-810G

### Electromagnetic Interference:

Tested in accordance with MIL STD 461G

### Hazards of Electromagnetic Radiation to Ordnance (HERO), Personnel (HERP), and Fuel (HERF):

Evaluated against applicable limits outlined in MIL-STD-464C

Noise Reduction Rating (NRR) tested in accordance with ANSI S3.19-1974

Impulsive Peak Insertion Loss (IPL) tested in accordance with ANSI/ASA S12.42-2010



## Laboratory Attenuation Values\*\*\*

### Tactical Earplug, TEP-300 - CCC-GRM-25

| Frequency (Hz)          | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|-----|-----------|
| Mean Attenuation (dB)   | 35.0 | 31.8 | 37.4 | 37.4 | 36.0 | 39.2 | 40.4 | 44.9 | 45.8 | 27  | AL        |
| Standard Deviation (dB) | 4.6  | 4.2  | 5.2  | 5.1  | 3.3  | 4.9  | 4.8  | 3.6  | 2.9  |     |           |

### Tactical Earplug, TEP-300 - Skull Screw

| Frequency (Hz)          | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|-----|-----------|
| Mean Attenuation (dB)   | 35.7 | 35.0 | 40.7 | 39.0 | 38.3 | 41.7 | 41.4 | 44.0 | 45.9 | 30  | AL        |
| Standard Deviation (dB) | 5.4  | 5.2  | 5.4  | 3.9  | 2.5  | 4.4  | 3.7  | 4.1  | 4.1  |     |           |




### Tactical Earplug, TEP-300 - UltraFit

| Frequency (Hz)          | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|-----|-----------|
| Mean Attenuation (dB)   | 34.3 | 31.9 | 35.2 | 34.1 | 34.5 | 38.6 | 35.5 | 38.2 | 39.3 | 23  | AL        |
| Standard Deviation (dB) | 6.1  | 6.1  | 6.1  | 5.2  | 4.8  | 4.4  | 3.9  | 3.9  | 3.0  |     |           |

\*\*\* U.S. EPA specifies the NRR as the measure of hearing protector noise reduction. However, 3M makes no warranties as to the suitability of the NRR for this purpose. 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. It is recommended that the NRR be reduced by 50% to better estimate typical protection.

TEP-300 meets the single hearing protection requirement listed in DA PAM 40 501 Army Hearing Conservation Program 2015 for both steady-state and impulse noise.

## Models:

| Part Number | Description  | Legacy 3M ID   | SAP ID     | Color   |
|-------------|--|----------------|------------|---|
| TEP-300 CY  | 3M™ PELTOR™ Tactical Earplug, TEP-300 CY, Coyote Brown | 70-0717-3429-0 | 7100227650 |  |
| TEP-300 GE  | 3M™ PELTOR™ Tactical Earplug, TEP-300 GE, Grey         | 70-0717-3431-6 | 7100227633 |  |
| TEP-300 TN  | 3M™ PELTOR™ Tactical Earplug, TEP-300 TN, Tan          | 70-0717-3428-2 | 7100227637 |  |

## Accessories and Spare parts

| Part number | Description   | Legacy 3M ID   | SAP ID     |
|-------------|---|----------------|------------|
| TEP-300R CY | 3M™ PELTOR™ Replacement Earplug, TEP-300R CY, Right, Coyote Brown | 70-0717-3433-2 | 7100227632 |
| TEP-300L CY | 3M™ PELTOR™ Replacement Earplug, TEP-300L CY, Left, Coyote Brown  | 70-0717-3441-5 | 7100227644 |
| TEP-300R TN | 3M™ PELTOR™ Replacement Earplug, TEP-300R TN, Right, Tan          | 70-0717-3440-7 | 7100227649 |
| TEP-300L TN | 3M™ PELTOR™ Replacement Earplug, TEP-300L TN, Left, Tan           | 70-0717-3439-9 | 7100227647 |
| TEP-300R GE | 3M™ PELTOR™ Replacement Earplug, TEP-300R GE, Right, Grey         | 70-0717-3438-1 | 7100227648 |
| TEP-300L GE | 3M™ PELTOR™ Replacement Earplug, TEP-300L GE, Left, Grey          | 70-0717-3437-3 | 7100227645 |
| TEP-300C GE | 3M™ PELTOR™ Replacement Case, TEP-300C GE, Grey                   | 70-0717-3436-5 | 7100227638 |
| TEP-300C CY | 3M™ PELTOR™ Replacement Case, TEP-300C CY, Coyote Brown           | 70-0717-3435-7 | 7100227630 |
| TEP-300AD   | 3M™ PELTOR™ TEP-300AD, Battery adapter AAA                        | 70-0717-3434-0 | 7100227631 |
| CCC-GRM-25  | 3M™ PELTOR™ Communication Tip, Triple C, 25 pairs                 | 70-0716-7521-2 | 7100103087 |
| 370-TEPL-25 | 3M™ UltraFit™ Communication Tips Replacement, Large, 25 pairs     | 70-0716-7374-6 | 7100066388 |
| 370-TEPM-25 | 3M™ UltraFit™ Communication Tips Replacement, Medium, 25 pairs    | 70-0716-7373-8 | 7100066387 |
| 370-TEPS-25 | 3M™ UltraFit™ Communication Tips Replacement, Small, 25 pairs     | 70-0716-7372-0 | 7100066371 |
| 370-1019-10 | Skull Screw™, Comm Ear Tips, 10 pr/cs                             | 70-0716-1527-5 | -          |
| TEP-CORD    | 3M™ LEP/TEP/EEP Cord  | 70-0716-7379-5 | 7100074090 |

### CAUTION:

When worn according to these User Instructions, these hearing protectors help 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.

To learn more about hearing protection for impulse noise, visit [www.3M.com/hearing](http://www.3M.com/hearing).

### WARNING!

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protection at all times that you are exposed to noise may result in hearing loss or injury.** For correct use, consult supervisor and User Instruction, or call 3M PSD Technical Service in the USA at 1-800-665-2942.

#### 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.



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For more information:  
Technical Service 1-800-665-2942  
Customer Service 1-800-328-1667  
[3M.com/PELTOR](http://3M.com/PELTOR)

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