

# 3M™ Peltor™ Technical Datasheet



PELTOR™

## 3M™ Peltor™ Alert™

M2RX7\*2-01

### Product description

The 3M™ Peltor™ Alert™ is a hearing protector with built in electronic functionality to improve safety and increase motivation for wearers in noisy conditions. It has a built in FM radio and a level dependent function for ambient listening. Warning signals, approaching vehicles and other dangers that may occur can still be heard thanks to the level dependent function. The Alert is equipped with an external jack that enables connection to external sources, for example a mobile phone or an MP3-player.

### Versions

| Article number | Description   | 3M ID number |
|----------------|---|--------------|
| M2RX7A2-01     | Hearing protector with FM-radio and level dependent function, head band         | XH001677430  |
| M2RX7P3E2-01   | Hearing protector with FM-radio and level dependent function, helmet attachment | XH001680400  |

### Key Features

- High attenuating hearing protector, SNR 30dB
- FM radio receiver
- Level dependent function for ambient listening
- External jack (3,5 mm)
- Operating time approx. 70 hours

### Accessories and Spare parts

| Article number | Description                               | 3M ID number |
|----------------|---|--------------|
| ACK03          | Rechargeable battery pack, 1700 mAh       | XH001653464  |
| FR03EU         | Battery charger for ACK03, EU plug, 230 V | XH001655444  |
| FR03GB         | Battery charger for ACK03, UK plug, 230 V | XH001655451  |
| FR03-12        | Battery charger for ACK03, 12 V           | XH001655436  |
| HY81           | Hygiene kit                               | XL001652814  |
| HY100A         | Single-use protectors                     | XH001659289  |
| M60/2          | Wind protection for ambient microphones   | XH001652532  |
| 1173 SV        | Battery cover                             | XL001600425  |
| FL6CE/1        | Connection cable for external audio input | XH001676952  |

### Standards and Approval

3M™ Peltor™ Alert™ is in conformity with the provisions set out in the PPE directive 89/686/EEC, the RoHS directive 2011/65/EU and the EMC directive 2004/108/EC. Thereby it fulfills the requirements for CE marking.

The product has been tested and approved in accordance with EN 352-1:2002, EN 352-3:2002, EN 352-4:2001+ A1:2005, EN 352-8:2008, EN 55013:2001 + A1:2003 + A2:2006, EN 55020:2007 + A11:2011, EN 50581:2012.



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## Technical Data Specifications

### Materials

Headband wire (stainless steel)

Two-point fastener (acetal)

Ear cushion (PVC foil and polyether foam)

Attenuation cushion (Polyether foam)

Headband padding (PVC, Polyether foamfoil)

Cup (ABS plastic)

**Battery Type:** AA 1.2–1.5V batteries can be used (NiMH, NiCd, Alkaline, Lithium, Manganese, etc), but only NiMH and NiCd batteries can be recharged

**Operating time:** Approximately 70 hours of battery lifetime with included alkaline batteries

**Weight:** 361 g (headband), 390 g (helmet att.) incl. batteries

**Operating temperature:** -20°C to +55°C (battery dependent)

**Storage Temperature:** -20°C to +55°C

**Charging Temperature:** 0°C to +40 °C

**Wired Connectivity:** 3,5 mm AUX input jack (limited to 82 dB (A))

### In the box

1 x Hearing protector

1 x FL6CE connection cable for external audio input, 3,5 mm

2 x AA batteries (non re-chargeable)

1 x User instruction

### 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 full 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.

### M2RX7A2-01

| Frequency(Hz)           | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|-------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB)   | 16,3 | 23,5 | 30,6 | 35,1 | 30,7 | 34,0 | 33,8 |
| Standard Deviation (dB) | 3,0  | 2,6  | 2,8  | 3,1  | 3,4  | 2,4  | 2,8  |
| Assumed Protection (dB) | 13,3 | 20,9 | 27,8 | 32   | 27,3 | 31,6 | 30,9 |

SNR=30dB H=29dB M=28dB L=21dB

### M2RX7P3E2-01

| Frequency(Hz)           | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|-------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB)   | 17,5 | 22,8 | 29,2 | 35,9 | 30,0 | 34,1 | 34,9 |
| Standard Deviation (dB) | 2,6  | 2,8  | 3,1  | 2,8  | 2,7  | 2,7  | 3,3  |
| Assumed Protection (dB) | 15,0 | 20,0 | 26,2 | 33,1 | 27,3 | 31,4 | 31,6 |

SNR=30dB H=29dB M=28dB L=22dB



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