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

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

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.

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