

3M™ Peltor™ Technical Datasheet



PELTOR™

3M™ Peltor™ Tactical XP Headset

MT1H7F2-07-51-34, MT1H7P3E2-07-51-34

PMLN6090A, PMLN6089A



Product description

3M™ Peltor™ Tactical XP headset is an ATEX/IECEx approved level dependent headset with high attenuation. Developed for noisy environments where you need to protect your hearing and on the same time be able to hear surrounding sound, like warning signals.

Versions:

| Article number | Description | 3M ID number |
|--------------------|---|--------------|
| MT1H7F2-07-51-34 | Tactical XP headset for Motorola, foldable headband | XH001680145 |
| MT1H7P3E2-07-51-34 | Tactical XP headset for Motorola, helmet attachment | XH001680152' |

Key Features

- High attenuating hearing protector
- Level dependent function for ambient listening
- Extra functions; equalizer, balance, release time, external volume
- Leather head pad
- Electronic voice guided system
- Warning signal when power is low
- Last settings stored when switched off
- 2 x AA batteries included

Accessories

| Article number | Description | 3M Id number |
|----------------|----------------------------|--------------|
| HY79 | Hygiene Kit | XH001651047 |
| M40/1 | Microphone protection | XH001652516 |
| M41/2 | Wind cover | XH001652524 |
| HYM1000 | Microphone protection tape | XH001651328 |
| MT91-50 | Throat microphone | XH001669460 |

Application

The Peltor™ Tactical XP headset, ATEX-approved, is designed to be used together with a Peltor PTT adapter and a Motorola radio in industrial areas where intrinsic safety is required.

Standard and Approval

MT1H7*-07-51-34 is in conformity with the provisions set out in the PPE directive 89/686/EEC and the EMC directive 2004/108/EC. Thereby it fulfils the requirements for CE marking.

The product has been tested and approved in accordance with EN 352-1:2002, EN352-3:2002, EN352-4:2001, EN352- 6:2002, EN61000-6-2:2001 and EN61000-6-3:2001.

The product has been examined by:

FIOH, Finnish Institute of Occupational Health, Topeliuksenkatu 41 a A, FI-00250, Helsinki, Finland Notified body #0403


DECTRON AB, Thörnblads väg 6, SE-386 90 Färjestaden, Sweden.

NEMKO, Gaustadalléen 30 N-0373 OSLO, NORWAY Notified Body #0470

The product has been approved for use in potentially explosive environment according to ATEX directive and IEC Ex.

Product marking:

 I M1 Ex ia Ma

 II 2G Ex ia IIC T4 Ga



3M™ Peltor™ Technical Datasheet

Technical Data Specifications

Materials:

Headband: Stainless steel / leather

Helmet attachment cup supporting arms: Stainless steel

Ear cushions: PVC covered PU foam

Power:

2 x AA of type:

- Energizer Eveready No. E91 or EN91, AA LR6 1.5V, Alkaline-Manganese

- Duracell Plus MN1500, AA LR6 1.5V, Alkaline-Manganese

- Duracell Procell No. PC1500, AA LR6 1.5V, Alkaline-Manganese

Use and storage:

Max temperature for use: +55°C

Recommended storage conditions: -20° C - +55° C,
<85% humidity

Recommended maximum shelf life: 5 years,
except the batteries: <1 year

Use limitation:

Never modify or alter this product in the box:

1 x Hearing Protector

2 x AA batteries

1 x User instruction

Ghost Voice Guided Menu Settings

Volume = adjust the level dependent volume up and down

Balance = adjust the balance for the level dependent function
between left and right ear

Equalizer = adjust the surround microphones, choose low,
neutral, high or extra-high level where neutral means that the
mics listen to the whole sound frequency range, low means
that the mics listen to the bass tones etc.

Release time = adjust the release time of the level dependent
function, choose normal, slow or extra-slow

External input volume = adjust the input volume by choosing
normal or high

Attenuation

MT1H7F2-07-51-34

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 |
|-----------------------|------|------|------|------|------|------|------|------|------|
| Mean attenuation (dB) | 13,8 | 21,5 | 30,9 | 36,6 | 35,9 | 36,5 | 35,5 | 40,8 | 39,0 |
| Std deviation (dB) | 1,8 | 0,9 | 1,3 | 1,5 | 5,5 | 3,3 | 3,1 | 3,7 | 2,3 |
| APV* (84%) | 12,0 | 20,6 | 29,6 | 35,1 | 30,4 | 33,2 | 32,4 | 37,1 | 36,7 |

SNR=31dB H=32 dB M=29dB L=20dB

MT1H7P3E2-07-51-34

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 |
|-----------------------|------|------|------|------|------|------|------|------|------|
| Mean attenuation (dB) | 14,0 | 22,4 | 28,1 | 33,8 | 33,4 | 36,0 | 35,4 | 40,0 | 38,7 |
| Std deviation (dB) | 1,5 | 2,7 | 1,7 | 2,3 | 2,6 | 3,5 | 2,3 | 3,3 | 1,8 |
| APV* (84%) | 12,5 | 19,7 | 26,4 | 31,5 | 30,8 | 32,5 | 33,1 | 36,7 | 36,9 |

SNR=30dB H=33 dB M=28dB L=20dB

* APV= Assumed Protection Value

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.



3M Personal Safety Division

3M Svenska AB, Box 2341

SE-331 02 Värnamo

Sweden

Phone: +46 (0) 370 65 65 65

Fax: +46 (0) 370 65 65 99

Email: peltorcommunications@mmm.com

Internet: www.3M.com/Peltorcomms

Please recycle. Printed in Sweden.

© 3M 2014. All rights reserved.

Bluetooth is a registered trademark of Bluetooth SIG Inc.