

3M™ Peltor™ Technical Datasheet



PELTOR™

3M™ Peltor™ Tactical XP

MT1H7F2, MT1H7P3E2, MT1H7B2

Product description

Peltor™ Tactical XP is an electronic level dependent hearing protector with high attenuation. Especially developed for noisy environments where you need to protect your hearing and on the same time be able to hear surrounding noise, like warning signals. Example of suitable areas of use; industry, construction and hunting & shooting segments.

Key Features:

- High attenuating hearing protector
- Level dependent function (talk through)
- Extra functions; equalizer, balance, release time, external volume
- Exclusive leather head pad
- Electronic voice guided system
- Warning signal when power is low
- Last settings stored when switched off
- 2 x AA batteries included
- Available in headset version
- Available as ATEX/IECEX approved (intrinsically safe)



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

Versions:

| Description | 3M article no | EAN/UPC | Colour |
|-------------------------------|---------------|---------------|--------|
| MT1H7F2 Headband version | XH001650064 | 7318640045552 | Black |
| MT1H7P3E2 Helmet att. version | GT600013889 | 7318640045569 | Black |
| MT1H7B2 Neckband version | XH001660667 | 7318640045545 | Black |

Accessories and Spare parts:

| Description | 3M article no | EAN |
|----------------------|---------------|---------------|
| HY79 Hygiene Kit | XH001651047 | 7318640011779 |
| M42/1 Mic protection | XH001659792 | 7318640041080 |

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Standards and Approval:

MT1H7F2 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.

Materials:

Headband: stainless steel wires with textile covered stainless steel sheet
Cups: ABS

Power:

2 x AA NiMH or alkaline batteries, 2,4-3 V

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

Attenuation:

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| 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

| 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 |

* APV= Assumed Protection Value

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

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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