

# 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



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## 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

\* APV= Assumed Protection Value

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

## 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

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