



PELTOR™

3M™ PELTOR™

Oil & Gas Communication Solutions



3M Science. Applied to life.™



Take your safety personally

3M, the world's leader in safety and protective equipment, is proud to have the PELTOR™ Brand range as part of its product offering.

3M™ PELTOR™ Communication Equipment as well as hearing, head & face protection products for noisy and hazardous environments are renowned world leaders. With more than 60 years of experience, the PELTOR™ brand promises superior quality communication solutions that provide an optimal balance of comfort and protection.

It is our goal to ensure that we satisfy your needs through the provision of exceptional leadership, expertise, quality and service excellence. With our global technology,

manufacturing, and knowledge network, we do more than simply develop products that help your workforce to operate in safety and comfort.

The advanced engineering and technology inherent with the PELTOR™ brand fits with the high standard of quality and innovation of a continuously evolving range of product solutions that you, our customers, come to expect from 3M.

To top it off, the PELTOR™ Brand offers a line of products that are both ATEX and IECEx approved for use in potentially explosive environments. ATEX and IECEx ensure the 3M™ PELTOR™ Headsets and Accessories are designed and manufactured to most stringent requirements, giving you the piece of mind to focus on the job at hand.

3M™ PELTOR™

Blue-Line

3M™ PELTOR™ Blue-Line is a series of intrinsically safe products designed for extreme environments. Developed in close collaboration with demanding users, these products have undergone rigorous testing in harsh environments.

The 3M™ PELTOR™ Blue-Line series is approved according to the ATEX directive and the IECEx scheme and is also in compliance with the applicable hearing standards from the EN 352 range.

3M™ PELTOR™ WS™ ProTac XP

The 3M™ PELTOR™ WS™ ProTac XP is a hearing protector with level-dependent technology that helps create situational awareness.

Built-in Bluetooth® Communication enables you to work hands-free while taking calls via 2-way radios or phones. The level-dependent function helps maintain the users situational awareness and ability to converse with colleagues. The headset helps provide effective noise attenuation when sound level is high.

The headset also has an external jack providing the possibility to connect to a 2-way communication radio while simultaneously connected wirelessly via the Bluetooth® link to an additional device.

Key Features:

- DSP for Digital Noise Reduction
- Supports Bluetooth A2DP profile for streaming high quality stereo sound
- Advanced VOX (Voice Operated Transmit)
- External input

| Models | Product code | Weight |
|--------------------------------|-----------------|--------|
| WS ProTac XP headband | MT15H7FWS5-50 | 435 g |
| WS ProTac XP neckband | MT15H7BWS5-50 | 345 g |
| WS ProTac XP helmet attachment | MT15H7P3EWS5-50 | 382 g |

Attenuation Europe

MT15H7FWS5** Headband

| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 19.2 | 17.4 | 24.0 | 31.9 | 34.4 | 35.1 | 37.0 | 35.1 |
| Std. deviation (dB) | 4.0 | 2.8 | 2.9 | 3.0 | 2.6 | 4.3 | 4.0 | 3.2 |
| Assumed Protection Value (dB) | 15.2 | 14.5 | 21.1 | 28.9 | 31.9 | 30.8 | 33.1 | 32.0 |

EN 352-1:2002

SNR=31 dB H=32 dB M=29 dB L=22 dB

MT15H7P3EWS5** Helmet attachment

| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 17.2 | 18.6 | 23.2 | 30.8 | 35.4 | 35.5 | 37.0 | 34.2 |
| Std. deviation (dB) | 3.8 | 2.7 | 2.7 | 4.4 | 2.5 | 4.2 | 3.2 | 3.7 |
| Assumed Protection Value (dB) | 13.4 | 15.9 | 20.4 | 26.3 | 32.9 | 31.2 | 33.8 | 30.5 |

EN 352-3:2002

SNR=31 dB H=32 dB M=29 dB L=22 dB



II 2G Ex ia IIC T4 Gb
I M1 Ex ia I Ma

MT15H7BWS5** Neckband

| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 17.0 | 15.6 | 21.8 | 30.8 | 32.7 | 33.6 | 36.4 | 34.9 |
| Std. deviation (dB) | 3.8 | 3.8 | 3.5 | 2.9 | 2.9 | 2.5 | 3.3 | 2.4 |
| Assumed Protection Value (dB) | 13.2 | 11.8 | 18.2 | 27.9 | 29.8 | 31.1 | 33.1 | 32.4 |

EN 352-1:2002

SNR=30 dB H=32 dB M=27 dB L=19 dB



Smart Solutions, Easy Communication

3M™ PELTOR™ WS™ LiteCom Pro III Ex Headset is a hearing protector with built-in analog and digital programmable two-way communication radio, a level-dependent function and Bluetooth® Multipoint connectivity. It is approved for use in potentially explosive atmospheres according to ATEX/IECEx regulations.



Built-in programmable analog and digital two-way communication radio

Headset-to-headset communication with ability to be integrated with similar professional radio communication systems. Up to 70 programmable radio channels.

Bluetooth® Connectivity

Multipoint, for simultaneous, seamless connection to external devices using Bluetooth® Technology.

External Connection Jack

External connection jack provides the possibility to connect to an external 3M™ PELTOR™ PTT FL5602-50 Adapter.

Noise Cancelling Waterproof Speech Microphone

Helps provide communication in noisy and demanding environments.



Intrinsically safe design

Stainless Steel Wire Headband

Wire headband offers comfortable pressure during prolonged usage.

Hearing Protection

Noise attenuating headset helps provide hearing protection in environments with potentially hazardous noise.

Level-dependent Technology

For ambient listening. Helps improve situational awareness and communication.

Voice Operated Transmission

Voice operated transmission (VOX) for hands free operation in high noise environments.

| Article number | Description | 3M ID | SAP ID |
|--------------------|---|-------------|------------|
| MT73H7F4D10EU-50 | WS™ LiteCom Pro III Ex Headset, headband | UU008014225 | 7100098897 |
| MT73H7P3E4D10EU-50 | WS™ LiteCom Pro III Ex Headset, helmet att. | UU008014233 | 7100098836 |
| MT73H7B4D10EU-50 | WS™ LiteCom Pro III Ex Headset, neckband | UU008014217 | 7100098898 |



3M™ PELTOR™ WS™ LiteCom Pro III

Programmable Wireless Communication Headset

Easy To Use

- Noise attenuating headset helps provide hearing protection in environments with potentially hazardous noise.
- Voice Operated Transmission (VOX) facilitates hands-free operation.
- 3M™ PELTOR™ PTT FL5602-50 Adapter, enabling remote PTT control of the built-in radio (available separately).
- Five conveniently positioned function keys and voice guided menus (with multiple language selection) to handle all modes and settings.

Bluetooth® Technology

- Multipoint, for simultaneous, seamless connection to external devices using Bluetooth® technology.

Built-in programmable two-way communication radio

- Headset-to-headset communication and can be integrated with similar professional radio communication systems
- DMR compatible
- 70 programmable radio channels in the 403–470 MHz frequency.
- Analog radio selective squelch function with CTCSS tones or DCS codes and DMR radio functionality, allows multiple users to work on the same channel without listening to each other's communication.

Long range, Low power

- Range with maximum output power is up to 2 km outdoors depending on actual conditions.

Intrinsically Safe

- Approved for use in potentially explosive atmospheres in accordance with the ATEX directive and the IECEx scheme for both gas, dust and underground mining.

Situational awareness with level-dependent function

- The level-dependent function helps you to hear important sounds from the surroundings and to communicate with people standing close by in a noisy environment, without compromising your hearing protection.



I M1 Ex ia I Ma
 II 1G Ex ia IIC T4 -20°C ≤ Ta ≤ +50°C Ga
 II 1D Ex ia IIC T130°C Da

Articles & Accessories

| Article number | Description | 3M ID | SAP ID |
|----------------|---|-------------|------------|
| MT90-02 | Throat microphone for WS™ LiteCom Pro III headsets, Ex | XL001644068 | 7000040037 |
| ACK082 | Rechargeable Li-Ion batterypack (only for WS™ LiteCom Pro III Ex Headset) | UU008176040 | 7100112102 |
| AL2AH | Charge cable for ACK082 | 11003072094 | 7100067410 |
| FR08 | Power Supply for AL2AH | XH001680194 | 7000108521 |
| FL5602-50 | External PTT for WS™ LiteCom Pro III Ex Headset | XH001654579 | 7000039666 |
| M60/2 | Wind shield for level-dependent mic | XH001652532 | 7000039650 |
| HY83 | Hygiene kit | UU008197921 | 7100113964 |
| HYM1000 | Hygiene tape for boom mic | XH001651328 | 7100064281 |
| M171/2 | Wind protector for mic, 2 pcs | UU008159483 | 7100112112 |



Laboratory Attenuation

MT73H7F4D10EU-50 EN352-1:2002

| f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR |
|-----------------------|------|------|------|------|------|------|------|-----|
| M _y (dB) | 18.6 | 24.3 | 33.6 | 36.8 | 35.5 | 39.4 | 35.5 | 33 |
| s _y (dB) | 2.9 | 2.4 | 2.4 | 3.4 | 2.9 | 2.5 | 3.4 | |
| APV _y (dB) | 15.7 | 21.9 | 31.2 | 33.4 | 32.6 | 36.9 | 32.1 | |

H=34 dB M=31 dB L=23 dB

MT73H7P3E4D10EU-50 EN352-3:2002

| f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR |
|-----------------------|------|------|------|------|------|------|------|-----|
| M _y (dB) | 18.1 | 23.2 | 32.0 | 36.4 | 34.2 | 40.2 | 34.5 | 32 |
| s _y (dB) | 3.3 | 1.8 | 3.4 | 2.7 | 1.9 | 2.5 | 4.6 | |
| APV _y (dB) | 14.8 | 21.4 | 28.6 | 33.7 | 32.3 | 37.7 | 29.9 | |

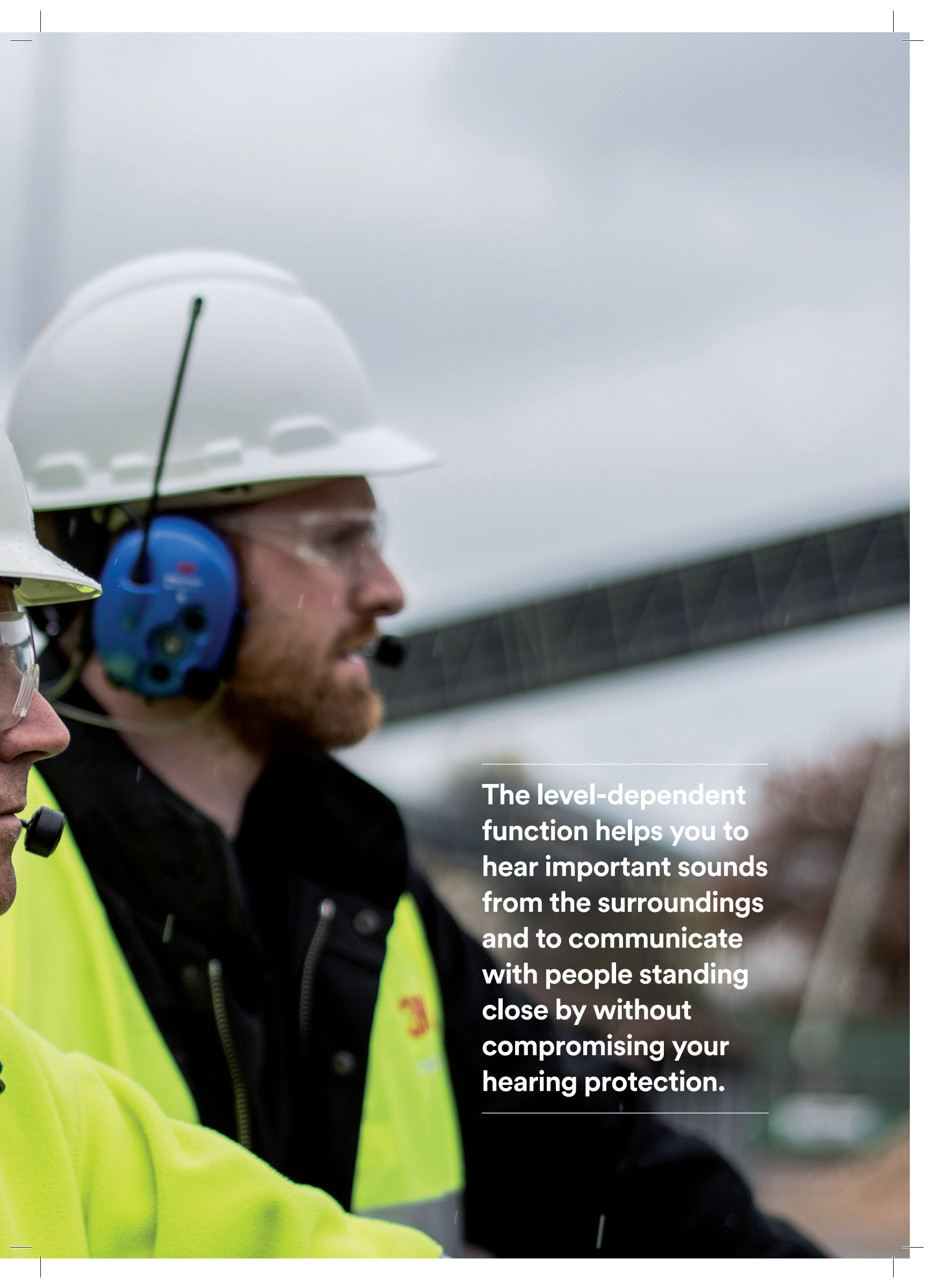
H=33 dB M=30 dB L=23 dB

MT73H7B4D10EU-50 EN352-1:2002

| f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR |
|-----------------------|------|------|------|------|------|------|------|-----|
| M _y (dB) | 17.7 | 23.9 | 32.5 | 36.2 | 35.6 | 39.5 | 37.1 | 32 |
| s _y (dB) | 2.8 | 3.1 | 3.9 | 3.1 | 2.5 | 2.9 | 2.3 | |
| APV _y (dB) | 14.9 | 20.8 | 28.6 | 33.1 | 33.1 | 36.6 | 34.8 | |

H=35 dB M=30 dB L=22 dB





The level-dependent function helps you to hear important sounds from the surroundings and to communicate with people standing close by without compromising your hearing protection.



3M™ PELTOR™ FL4000 Series Adapters

3M™ PELTOR™ FL40** Adapter

Product Description

The 3M™ PELTOR™ FL4000 Series Push-to-Talk (PTT) adapters connects and provides push-to-talk functionality between 3M™ PELTOR™ Communications Headsets and selected 2-way communication radios. The FL4000 Series PTT adapters are small in size, intrinsically safe (ATEX & IECEx approved), and offer distinct ergonomic feedback when the Push-to-Talk button is pressed. The FL4000 PTT Adapter series features Automatic Radio Jack Detection that reroutes audio back to the radio when the headset is disconnected from the adapter¹.

¹: Supported on selected radios compatible with Jack Detection feature.

Key Features:

- ATEX / IECEx approved
- Small ergonomic design
- Automatic Radio Jack Detection
- IP65

Applications:

The 3M™ PELTOR™ FL4000 adapter is designed to be used with a 3M™ PELTOR headset and 2 way radios in industrial areas where intrinsic safety is required.

Standards and Approvals:

3M™ PELTOR™ FL4000 is in conformity with the provisions set out in the EMC directive 2004/108/EC the RoHS directive 2011/65/EU and the ATEX directive 2014/34/Eu. Thereby it fulfils the requirements for CE marking. The product has been tested and approved in accordance with EN 61000-6-2:2005, EN 50581:2012, EN 50303:2000, EN 60079-0:2012 and EN 60079-11:2012.



I M1 Ex ia I



II 2G Ex ia IIC T4 Ga -20°C ≤ Ta ≤ +50°C

| Product Code | Description |
|--------------|--|
| FL4030-50 | 3M™ PELTOR™ Adapter for Motorola GP340 |
| FL40103-50 | 3M™ PELTOR™ Adapter for Funkwerk |
| FL40107-50 | 3M™ PELTOR™ Adapter for Kenwood Multipin |

3M™ PELTOR™ Adapter FL5000

An adapter with PTT function between the headset and the communication radio may be crucial for communication. This means that you must always have the adapter within reach and yet out of the way. The adapter needs to tolerate rough treatment and harsh climates, day after day. The 3M™ PELTOR™ Adapter has what it takes.

- The PTT button is logically positioned and easy to use, even with thick gloves on.
- A sturdy clamp on the back can be twisted 360 degrees for easy, flexible use in all situations.
- The whole adapter, and particularly the contact, is designed to keep moisture away from the electronics.

II 2G Ex ia IIC T4
I M1 Ex ia I

| Product Code | Communication radios |
|--------------|--|
| FL5214 | Motorola GP300 / Radius P110 |
| FL5218 | Motorola HT1000, MT2000, GP900, GP1200 |
| FL5230 | Motorola GP320/340 |
| FL5237 | Ascom 9D24 Ex |
| FL52137 | Ascom d81 Ex |



II 2G Ex ib IIX T4

| Product Code | Communication radios |
|--------------|----------------------|
| FL5261B | Sailor SP3560, 3965 |

3M™ PELTOR™ Headset

3M™ PELTOR™ ATEX-approved headset and Listen Only headset are designed to ensure clear, reliable communication even in extremely noisy environments, while providing solid hearing protection for the situation.

- Microphone with effective noise compensation for clear and reliable communication
- Quick Positioning integrated microphone boom for easy handling

| Models | Connector | Product code | Weight |
|-------------------|-------------|--------------|--------|
| Foldable headband | J11, TP-120 | MT7H79F-50 | 335 g |
| Neckband | J11, TP-120 | MT7H79B-50 | 381 g |
| Helmet attachment | J11, TP-120 | MT7H79P3E-50 | 345 g |

Headset with 0.4–1.0 m long spiral cord for connection to the PELTOR Adapter

- Foam and fluid-filled ear cushions and individually sprung, stainless steel head band wires provide an even and consistent distribution of pressure around the ears for excellent comfort
- Beam-mounted earphones provide the least possible resonance and distortion for excellent sound reproduction even in high-noise environments

| Models | Connector | Product code | Weight |
|-------------------|-----------------|--------------|--------|
| Foldable headband | 3,5 mm Mono | HTM79F-50 | 310 g |
| Helmet attachment | 3,5 mm Mono | HTM79P3E-50 | 320 g |
| Helmet attachment | 2,5 mm Mono | HTM79P3E-53 | 320 g |
| Helmet attachment | 3,5 mm Screw-in | HTM79P3E-54 | 320 g |

Listen-Only headset, with 0.75–1.4 m spiral cord with moulded contact for connection to an EX-approved radio.



II 1G Ex ia IIC T4 Ga

MT7H79P3E-50



II 1G Ex ia IIC T4 Ga

HTM79F-50

Attenuation Europe

MT7H79B-50 MT7H79F-50 HTM79F-50

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 17.2 | 26.4 | 33.9 | 37.2 | 35.4 | 33.2 | 37.0 |
| Std. deviation (dB) | 3.1 | 2.5 | 2.7 | 2.3 | 2.6 | 2.4 | 2.0 |
| Assumed Protection Value (dB) | 14.1 | 23.9 | 31.2 | 34.9 | 32.8 | 30.8 | 35.0 |

EN 352-3:2002

SNR=33 dB H=33 dB M=31 dB L=23 dB

MT7H79P3*-50 HTM7P3E-**-

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 17.7 | 27.1 | 33.8 | 38.1 | 36.2 | 33.6 | 37.1 |
| Std. deviation (dB) | 2.9 | 2.1 | 2.4 | 2.6 | 2.3 | 2.5 | 2.2 |
| Assumed Protection Value (dB) | 14.8 | 25.0 | 31.4 | 35.5 | 33.9 | 31.1 | 34.9 |

EN 352-1:2002

SNR=32 dB H=33 dB M=32 dB L=24 dB

3M™ PELTOR™ Twin Cup™ Headset

- Extra high-attenuating twin cups with optimised acoustic design.
- Microphone with effective noise compensation for clear and reliable communication
- Quick Positioning integrated microphone boom for easy handling

| Models | Connector | Product code | Weight |
|-------------------|-------------|----------------|--------|
| Headset headband | J11, TP-120 | MT72H540F-50 | 428 g |
| Helmet attachment | J11, TP-120 | MT72H540P3E-50 | 430 g |



II 2G Ex ib IIC T4
-20°C to +50°C

MT72H540P3E-50

Attenuation Europe

MT72H540P3E-50

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 17.9 | 27.3 | 34.0 | 35.8 | 31.5 | 40.5 | 36.5 |
| Std. deviation (dB) | 3.3 | 3.6 | 4.2 | 2.9 | 3.0 | 4.7 | 4.0 |
| Assumed Protection Value (dB) | 14.6 | 19.7 | 29.0 | 32.9 | 28.5 | 35.8 | 32.5 |

EN 352-3:2002

SNR=31 dB H=31 dB M=29 dB L=24 dB

MT72H540F-50

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 18.9 | 24.4 | 32.7 | 35.3 | 33.3 | 41.0 | 39.4 |
| Std. deviation (dB) | 2.3 | 1.8 | 1.7 | 2.6 | 2.7 | 3.0 | 3.2 |
| Assumed Protection Value (dB) | 16.6 | 22.6 | 31.0 | 32.7 | 30.6 | 38.1 | 36.2 |

EN 352-1:2002

SNR=33 dB H=33 dB M=31 dB L=24 dB

3M™ PELTOR™ Tactical™ XP Headset

– new options for volume settings

The 3M™ PELTOR™ Tactical™ XP Headset helps protect you from harmful noise and impulse sounds, while allowing and even amplifying ambient sounds such as conversation, machine noises and warning signals.

The built-in functions of the 3M™ PELTOR™ Tactical XP Headset make it quite different from other active hearing protectors: the user can control and vary the volume function for the current situation. When necessary, ambient noise can be amplified more than any other 3M™ PELTOR™ Hearing Protector.

3M™ PELTOR™ Tactical™ XP Headset lets you hear what you want to hear and attenuates all harmful noise. Each function and setting is indicated by a voice message.

3M™ PELTOR™ Tactical™ XP Headset is also available without boom microphone.

- Fail safe functions which enable two-way communication if batteries run out
- Equipped with the following functions: volume for the level-dependent function, balance, adjustable release time, equalizer, volume for external input and external input mode
- Last setting is stored when switched off
- Automatic shut-off after two hours if no function is used
- Warning signal when battery is low
- Battery life time approximately 1000 hours

| Models | Connector | Productcode | Weight |
|-------------------|-------------|----------------|--------|
| Foldable headband | | MT1H7F2-51 | 411 g |
| Neckband | | MT1H7B2-51 | 370 g |
| Helmet attachment | | MT1H7P3E2-51 | 406 g |
| Headset headband | J11, TP-120 | MT1H7F2-07-51 | 411 g |
| Headset neckband | J11, TP-120 | MT1H7B2-07-51 | 370 g |
| Headset helmet | J11, TP-120 | MT17P3E2-07-51 | 406 g |

Headset with 0.4–1.0 m long spiral cord for connection to the PELTOR Adapter



Ex II 2G Ex ia IIC T4 Ga
I M1 Ex ia I Ma

Attenuation Europe

MT1H7F2* MT7H7B2*

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 14.0 | 22.4 | 28.1 | 33.8 | 33.4 | 35.4 | 38.7 |
| Std. deviation (dB) | 1.5 | 2.7 | 1.7 | 2.3 | 2.6 | 2.3 | 1.8 |
| Assumed Protection Value (dB) | 12.0 | 19.7 | 26.4 | 31.5 | 30.8 | 33.1 | 36.9 |

EN 352-1:2002

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

MT1H7P3E2*

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|
| Mean Attenuation (dB) | 13.8 | 21.5 | 30.9 | 36.6 | 35.9 | 35.5 | 39.0 |
| Std. deviation (dB) | 1.8 | 0.9 | 1.3 | 1.5 | 5.5 | 3.1 | 2.3 |
| Assumed Protection Value (dB) | 12.0 | 20.6 | 29.6 | 35.1 | 30.4 | 32.4 | 36.7 |

EN 352-1:2002

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

Accessories and spare parts

| | |
|------------------|--|
| HY79 | Hygiene kit. Easy-to-replace hygiene kit consisting of attenuating cushions and ear cushions |
| HYM1000 | Mic Protector. Water resistant and wind-tight. Effective protector that increases the life span of the speech microphone. Packages of 5 metres, approx. 50 replacements |
| M40/1 | Wind protector for microphone. Effective against wind noise. For dynamic microphone (MT7) |
| M41/2 | Wind protector for surround microphone for Tactical XP |
| M60/2 | Wind protector for surround microphone for LiteCom Pro II |
| MT90-02 | Throat microphone ATEX-approved for WS™ LiteCom Pro III |
| ACK082 | Rechargeable Li-Ion battery pack 1350 mAh (only for WS™ LiteCom Pro III) |
| FL5602-50 | External PTT for LiteCom Pro |



HY79



HYM1000



MT90-02



FL5602-50



ACK082



M60/2



M41/2



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