

PELTOR™

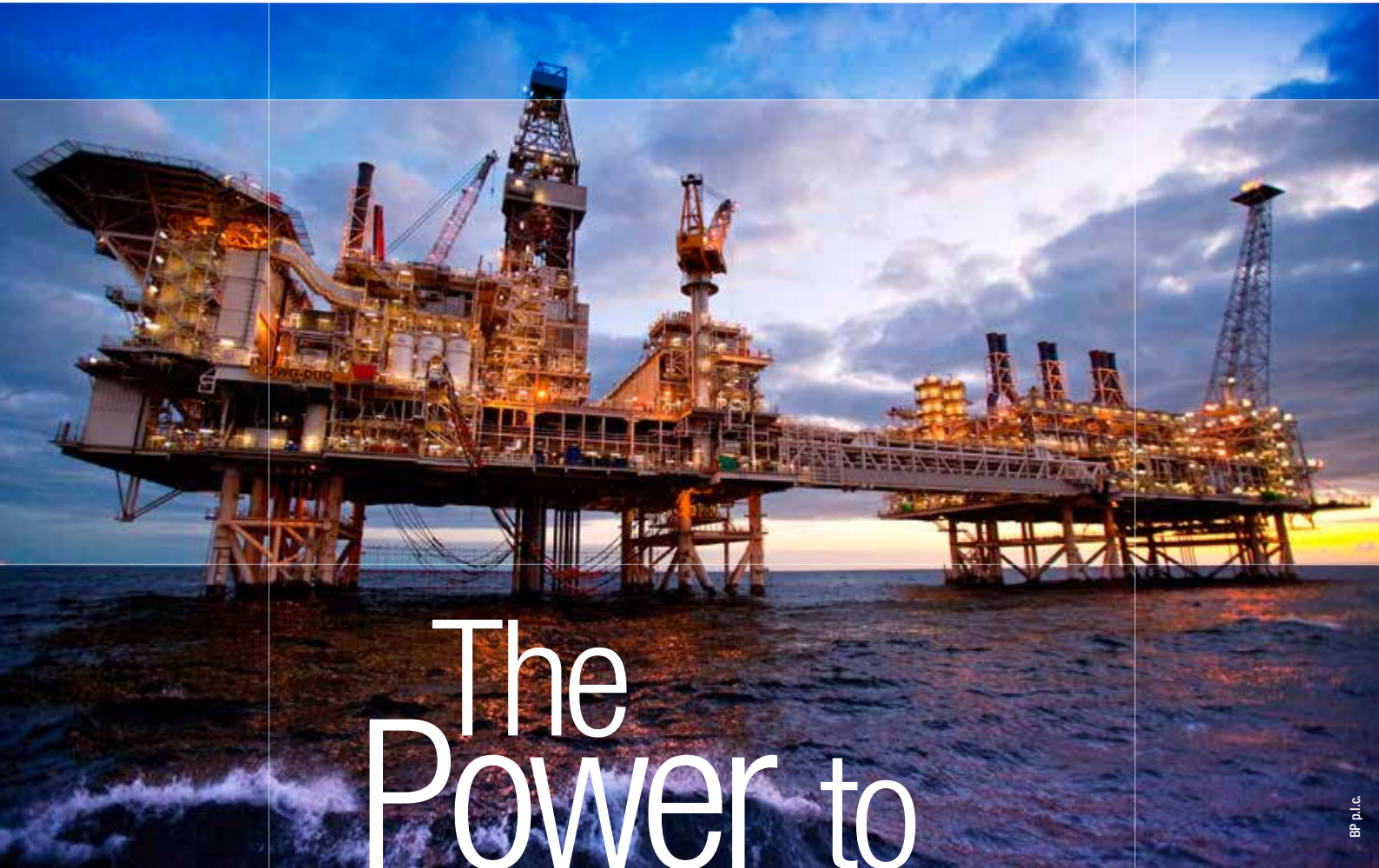
The Sound Solution



Oil & Gas Communication Solutions

PELTOR™ Blue-Line





BP p.l.c.

The Power to Protect Your world

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.

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.

The latest step we have taken is to approve our product to IECEx standards, not only ATEX This will give our customer even more confidence in safety since IECEx have higher demand on the product itself as well as on the production site.



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 results prove that we can meet the demands and make communication easier and more reliable despite external factors.

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 level dependent hearing protector that features Bluetooth® technology.

The Bluetooth function enables work with both hands free while taking calls via 2-ways radios or phones, connected via Bluetooth. The ambient listening function maintains the users situational awareness and ability to converse with colleagues. The headset provides effective noise attenuation when sound level is high.

Key Features:

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



Article number	Description	Weight
MT15H7FWS5-50	WS ProTac XP headband	435g
MT15H7BWS5-50	WS ProTac XP neckband	345g
MT15H7P3EWS5-50	WS ProTac XP helmet attachment	382g



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

MT15H7P3EWS5**

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
APV (84%)*	13,4	15,9	20,4	26,3	32,9	31,2	33,8	30,5

* Assumed Protection Value (dB)

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

MT15HFWS5**

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
APV (84%)*	15,2	14,5	21,1	28,9	31,9	30,8	33,1	32,0

* Assumed Protection Value (dB)

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

MT15H7BWS5**

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
APV (84%)*	13,2	11,8	18,2	27,9	29,8	31,1	33,1	32,4

* Assumed Protection Value (dB)

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

*Bluetooth is a registered trademark of Bluetooth SIG Inc

3M™ PELTOR™ Communication Solutions Blue-Line Headsets

3M™ PELTOR™ LiteCom Pro II Programmable Wireless Communication Headset

Versatile

The new 3M™ PELTOR™ LiteCom Pro II is a hearing protector with a built-in short range communication radio for integration with industrial or other professional radio communication systems. The boom mounted noise cancelling microphone is adjustable in all directions. VOX function facilitates hands-free operation, while the PTT button makes it possible to communicate in extremely noisy areas, or whenever “push-to-talk” is wanted.

Programmable

Up to 30 radio channels are programmable in the 403–470 MHz frequency range with PELTOR Radio Software. The selective squelch function with CTCSS tones or DCS digital codes, allows multiple users to work on the same channel without listening to each others communication. Despite the high noise attenuating cups for your hearing protection, it is also possible to hear important sounds from the surroundings, for instance warning tones or a call of distress. Two external microphones pick up the surround sound for internal reproduction in stereo. The sound level from the speakers is limited to 82 dB, for a full day’s use of your headset without problems. You can also communicate with people standing close by in a noisy environment, without jeopardizing your hearing by lifting a cup. To further increase the possibilities for wireless communication you can connect external electronic equipment to your LiteCom Pro II headset, for example a cell phone, a communication radio or almost any other audio source. There is also an accessory cable with a PTT button, enabling remote PTT control of the PELTOR LiteCom Pro II built-in radio.

Low power

Operating time is up to 17 hours, using the 3M™ PELTOR™ ACK08. The working range with maximum output power is up to 3 km outdoors depending on actual conditions.

Easy to use

There are only four conveniently positioned function keys to handle all settings. Internal voice messages confirm all changes of modes and settings. The last setting is stored when the unit is switched off.



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



MT7H7F4010-EU-50



MT7H7F4010-EU-50

Models	Product code	Frequency	Ch. spacing	Weight
Headset headband	MT7H7F4010-EU-50	403-470MHz	12,5/20/25 kHz	540 g
Headset neckband	MT7H7B4010-EU-50	403-470 MHz	12,5/20/25 kHz	500 g
Headset helmet	MT7H7P3E4010-EU-50	403-470 MHz	12,5/20/25 kHz	540 g

MT7H7F4010-EU-50 Headband

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	20.4	19.2	25.8	33.4	36.0	36.4	40.3	41.4
Std deviation (dB)	3.9	2.5	3.4	2.2	2.2	3.3	2.9	2.9
Assumed Protection Value (dB)	16.5	16.7	22.4	31.2	33.8	33.2	37.4	38.5

SNR=34 dB H=35 dB M=31 dB L=24 dB

MT7H7P3E4010-EU-50 Helmet attachment

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	20.1	20.1	27.0	34.7	37.8	35.4	37.7	40.1
Std deviation (dB)	4.3	2.9	1.9	2.0	1.6	2.1	2.2	3.4
Assumed Protection Value (dB) ⁴⁾	15.8	17.2	25.1	32.7	36.2	33.3	35.5	36.7

SNR=34 dB H=35 dB M=33 dB L=25 dB

MT7H7B4010-EU-50 Neckband

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	22.9	19.5	27.3	34.0	37.0	36.1	37.2	39.6
Std deviation (dB)	4.0	3.0	1.9	2.3	2.3	2.1	3.2	2.3
Assumed Protection Value (dB)	18.9	16.5	25.4	31.7	34.7	34.0	34.0	37.2

SNR=34 dB H=35 dB M=32 dB L=25 dB



FL5602-50
External PTT



MT7H7B4010-EU-50

3M™ PELTOR™ LiteCom Pro II is sold through authorized LiteCom Pro II dealers only.

3M™ PELTOR™ Adapter FL4000

3M™ PELTOR™ ATEX/IECEx approved PTT-adapters in the new FL4000-series are an alternative to the current PTT-adapters in the FL5000-series for connecting 3M™ PELTOR™ headsets to communication radios.

The products in the FL4000-series have a smaller size than FL5000 with a rugged design and the PTT-button has a more distinct push feeling. FL4000 also has jack detection that give you the sound in the radio when you unjack the headset if the radio support this.

Key Features

- Routable Clips
- Jack Detection



I M1 Ex ia I

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

Article number	Description	3M ID number
FL4030-50	3M™ PELTOR™ Adapter for Motorola GP340	XH001680806
FL40103-50	3M™ PELTOR™ Adapter for Funkwerk	XH001680848
FL40107-50	3M™ PELTOR™ Adapter for Kenwood Multipin	XH001680830

3M™ PELTOR™ Adapter - FL5000

The adapter with PTT function between the headset and the communication radio is 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 2 G Ex ia IIC T4

I M1 Ex ia I

Product Code	Communication radios
FL5212	Motorola MX1000, MX2000, MX3000
FL5214	Motorola GP300 / Radius P110
FL5218	Motorola HT1000, MT2000, GP900, GP1200
FL5230	Motorola GP320/340
FL5245	Atlantis TP8000
FL5237	Ascom 9D24 Ex
FL52137	Ascom d81 Ex



Ex II 2 G Ex ib IIC T4
-20°C to +50°C

FL5259	Puma T3
FL5261	Sailor SP3530, 3540, 3560



3M™ PELTOR™ Communication Solutions Blue-Line Headsets



II 2 G Ex ib IIC T4



MT7H79P3E-50

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 the perfect hearing protection for the situation.

- Noise cancelling microphone for clear and reliable communication
- Quick Positioning integrated microphone boom for easy handling

Models	Connector	Product code	Weight
Folding headband	J11, TP-120	MT7H79F-50	335 g
Neckband	J11, TP-120	MT7H79B-50	300 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



II 2 G Ex ib IIC T4



HTM79F-50

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

Models	Connector	Product code	Weight
Folding 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.

MT7H79P3*-50, HTM79P3E-*

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
Standard 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

SNR=32 dB H=33 dB M=31 dB L=23 dB

MT7H79B-50, MT7H79F-50, HTM79F-50

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
Standard 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

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



II 2 G Ex ib IIC T4
-20°C to +50°C



MT72H540P3E-50

3M™ PELTOR™ Twin Cup Headset

- High-attenuating twin shells with optimised acoustic design and excellent space for the ears for the best possible sound quality and comfort.
- 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	400 g
Headset helmet	J11, TP-120	MT72H540P3E-50	430 g

MT72H540P3E-50

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17,9	23,3	34,0	35,8	31,5	40,5	36,5
Standard Deviation (dB)	3,3	3,6	4,2	2,9	3,0	4,7	4,0
Assumed Protection Value (dB)	14,6	19,7	29,8	32,9	28,5	35,8	32,5

SNR=31 dB H=31 dB M=29 dB L=21 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
Standard 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

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 protects you from harmful noise levels and impulse sounds, while maintaining ambient sounds such as conversation, machine noises and warning signals. The built-in functions of the Tactical XP make it quite different from other active hearing protectors: the user can control and vary the volume function for the current situation.

3M™ PELTOR™ Tactical XP helps you hear what you want to hear while attenuating harmful noise. Each function and setting is indicated by a voice message.

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

- Fail safe functions which enable 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 power is low, before shut-off
- Battery life time approximately 800 hours

Models	Connector	Product code	Weight
Folding headband		MT1H7F2-51	418g
Neckband		MT1H7B2-51	375 g
Helmet attachment		MT1H7P3E2-51	425 g
Headset headband	J11, TP-120	MT1H7F2-07-51	400 g
Headset neckband	J11, TP-120	MT1H7B2-07-51	385 g
Headset helmet	J11, TP-120	MT1H7P3E2-07-51	435 g

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



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

MT1H7F2* MT7H7B2*

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17,0	25,6	34,0	37,4	36,4	38,6	38,2
Standard Deviation (dB)	2,4	3,0	3,4	3,2	3,2	3,6	3,4
Assumed Protection (dB)	14,6	22,6	30,6	34,2	33,2	35,0	34,8

SNR=33 dB H=35 dB M=31 dB L=23 dB

MT1H7P3E2*

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17,4	23,5	31,6	36,6	33,1	37,6	34,9
Standard Deviation (dB)	2,7	3,9	3,9	2,9	2,8	2,8	4,6
Assumed Protection (dB)	14,7	19,6	27,7	33,7	30,3	34,8	30,3

SNR=31 dB H=32 dB M=29 dB L=21 dB

Accessories and spare parts

- HY79** **Hygiene kit.** Easy-to-replace hygiene kit consisting of attenuating cushions and ear cushions
- HYM1000** **Mike Protector.** Moisture and wind-tight. Hygienic, 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
- MT91-50** **Throat microphone** ATEX-approved for Tactical XP and Peltor headset
- ACK08** **Rechargeable Li-Ion battery pack** 1350 mAh (only for Lite-Com Pro II)
- FL5602-50** **External PTT** for LiteCom Pro II
- AL2AH** **Charge cable** for ACK08
- FRR08** **Power supply** for AL2AH



HY79



M41/2



HYM1000



MT91-50



FL5602-50



ACK08



M60/2



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