



Peltor Blue-Line Communication Solutions

Technology Protecting People

Aearo Technologies provides safety products for the head, eyes, face and ears, which help improve comfort and enjoyment for those who work in dangerous environments.

The Aearo product range is the most complete one on the market today. Our products not only make your working environment safer, they also help make it more comfortable and pleasant.

The well-known Aearo brands are found in workplaces all around the world, and we are constantly developing new products to enhance security for users.

Peltor, a world leader in hearing protection and communication

For over 50 years, Peltor has spearheaded the development of protection and communication systems for everyone who spends time in noisy environments. We are proud that we control the entire production chain – from concept and testing to the finished product.

This is a quality guarantee for our customers, and ensures the best technology to make optimal use of, and continue to expand, our broad experience.

Peltor's extensive know-how ensures a leading position for us as suppliers of hearing protectors and communication products for the manufacturing and process industries, aviation, military and motor sports.

Communication solutions for extreme environments

Peltor Blue-Line is a series of ATEX 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. Our solutions work!



Lite-Com Pro

Programmable wireless communication headset



Versatile

The new Peltor Lite-Com Pro is a communication headset with high attenuation ear protection and a built-in short range communication radio for integration with industrial or other professional radio communication systems.

The noise cancelling microphone is mounted on a new microphone boom type. 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 430–470 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 highly noise attenuating cups for your hearing protection, it is also possible to hear useful 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 to 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 Lite-Com Pro headset; for instance a cell phone, a communication radio or almost any other audio source. There is also an accessory cable with PTT button to connect for remote control of the radio in the Lite-Com Pro.

Low power

Operating time is up to about 40 hours, depending on the type of battery and mode of use. Standard 1.5 Volt size AA batteries is accepted, except for use in explosive areas, where a specific batteries or the special rechargeable accumulator ACK05 from Peltor should be used. The working range with maximum output power is up to 3 km outdoors, however depending on actual conditions.

Easy to use

There are only four logically 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.

EX Class: EX II 1 G EEx ia IIC T4

Models	Product code	Weight
Headset headband	MT*H7F470-50	390 g
Headset neckband	MT*H7B470-50	375 g
Headset helmet	MT*H7P3E470-50	410 g

Peltor Lite-Com Pro is sold by authorized Lite-Com Pro dealers only.



MT53H7F470-50



MT53H7B470-50



MT*H7P3E470-50

MT7H7F470-50, MT53H7F470-50

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	14.7	23.4	30.7	34.6	34.5	36.9	37.3
Standard Deviation (dB)	3.9	4.6	3.2	3.4	3.1	2.7	4.2
Assumed Protection (dB)	10.8	18.8	27.4	31.2	31.4	34.2	33.1

SNR=30 H=33 M=27 L=19

MT7H7B470-50, MT53H7B470-50

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	16.2	22.9	31.7	35.6	34.5	37.7	40.0
Standard Deviation (dB)	3.2	2.2	2.0	2.9	3.0	3.9	3.3
Assumed Protection (dB)	13.0	20.7	29.7	32.7	31.5	33.8	36.8

SNR=31 H=33 M=29 L=21

MT7H7P3E470-50, MT53H7P3E470-50

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	15.5	23.3	31.2	35.6	35.0	36.5	40.9
Standard Deviation (dB)	2.6	2.3	2.0	3.2	3.4	3.4	3.3
Assumed Protection (dB)	13.0	21.0	29.2	32.4	31.6	33.2	37.6

SNR=31 H=33 M=29 L=21

The Tactical XP

– new options for volume settings

The Peltor Tactical XP protects 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 Tactical XP make it quite different from other active hearing protectors: The user can control and vary the volume function for the current situation. Where necessary, ambient noise can be amplified more than any other Peltor hearing protector allows. The Tactical XP lets you hear what you want to hear and block out all harmful noise. Each function and setting is indicated by a voice message.

The Peltor Tactical XP is approved under the ATEX directive with certification code EEX ib IIC T4.



MT1H7F2-07-50



MT1H7B2-50



MT1H7P3E2-07-50

The Tactical XP contains the following functions, which are user-adjustable and indicated by a voice message:

- Volume.
- Balance – especially useful if the user has a hearing impairment in one ear.
- Adjustable shut-off time for the active volume function to return to normal.
- Equalizer that allows the user to filter ambient noise and amplify or attenuate the noise at a given level.
- Volume control on the external input, allowing the user to turn up the sound on incoming signals from 82 dB to 87 dB for brief periods.
- Adjustment of the internal input level, making it easier to connect various types of communication equipment, such as a radio, DECT or mobile phone.
- **Failsafe function allows communication even if the batteries die**
- **Automatic shut-off after two hours of no active functions**

Models	Connector	Product code	Weight
Folding headband		MT1H7F2-50	390 g
Neckband		MT1H7B2-50	375 g
Helmet attachment		MT1H7P3E2-50	425 g
Headset headband	J11	MT1H7F2-07-50	400 g
Headset neckband	J11	MT1H7B2-07-50	385 g
Headset helmet	J11	MT1H7P3E2-07-50	435 g

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

MT1H7F2-50 MT1H7B2-50

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
Standard Deviation (dB)	1,5	2,7	1,7	2,3	2,6	2,3	1,8
Assumed Protection (dB)	12,0	19,7	26,4	31,5	30,8	33,1	36,9

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

MT1H7P3E2-50

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
Standard Deviation (dB)	1,8	0,9	1,3	1,5	5,5	3,1	2,3
Assumed Protection (dB)	12,0	20,6	29,6	35,1	30,4	32,4	36,7

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

Peltor Wireless Solutions

- A more effective, flexible way to communicate

Peltor Wireless Solutions™ uses the latest Bluetooth technology to make communication in noisy environments easier and more effective. You can always be available – fast, easily and wirelessly. Gone are the problems of the snagging cord, and you can use your telephone or com radio even when they're not in sight.

Peltor WS Headset

Peltor's new wireless communication headset has a built-in Bluetooth circuit that can quickly and easily connect to another Bluetooth unit up to 10 metres away.



MT53H7FWS2-50

MT53H7FWS2-50

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
Standard Deviation (dB)	1.8	0.9	1.3	1.5	5.5	3.1	2.3
Assumed Protection (dB)	12	20.6	29.6	35.1	30.4	32.4	36.7

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

MT53H7P3EWS2-50

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	14	22.4	28.1	33.8	33.4	35.4	38.7
Standard Deviation (dB)	1.5	2.7	1.7	2.3	2.6	2.3	1.8
Assumed Protection (dB)	12.5	19.7	26.4	31.5	30.8	33.1	36.9

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

**EX Class: Ex II 2G Ex ia IIC T4
Ex II 2D Ex iaD T130°
Ex I M1 Ex ia I**

Models	Product code	Weight
Headset headband	MT53H7FWS2-50	370 g
Headset helmet	MT53H7P3EWS2-50	420 g

Peltor Headsets – to hear and be heard

Peltor's 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.

The Peltor Blue-Line series is approved under the ATEX directive with certification code EEX ib IIC T4.

- Extra 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



MT72H540F-50

Models	Connector	Product code	Weight
Headset headband	J11	MT72H540F-50	400 g
Headset helmet	J11	MT72H540P3E-50	430 g

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 (dB)	16.6	22.6	31.0	32.7	30.6	38.1	36.2

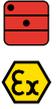
SNR=33 H=33 M=31 L=24

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
Standard Deviation (dB)	3.3	3.6	4.2	2.9	3.0	4.7	4.0
Assumed Protection (dB)	14.6	19.7	29.0	32.9	28.5	35.8	32.5

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

- Headband with individually sprung stainless steel wires for an even distribution of pressure around the ears.
- Two-point fasteners for flexible, continuous height adjustment.
- Dynamic lip microphone that suppresses ambient noise.
- Microphone arm with fast and easy adjustment of distance, length, height and angle.
- Optimal acoustically designed high-attenuating shells that provide even more space for the ears.
- Broad ear cushions filled with fluid and foam provide a good seal and low pressure. The cushions are easy to replace.
- Baffle-mounted earphone that allows sound reproduction with the least possible resonance and distortion.



MT7H79F-50

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

Models	Connector	Product code	Weight
Folding headband	TP-120, J11	MT7H79F-50	335 g
Neckband	TP-120, J11	MT7H79B-50	300 g
Helmet attachment	TP-120, J11	MT7H79P3E-50	345 g

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

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



HTM79F-50

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
Standard Deviation (dB)	3,1	2,5	2,7	2,3	2,6	2,4	2,0
Assumed Protection (dB)	14,1	23,9	31,2	34,9	32,8	30,8	35,0

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

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
Standard Deviation (dB)	2,9	2,1	2,4	2,6	2,3	2,5	2,2
Assumed Protection (dB)	14,8	25,0	31,4	35,5	33,9	31,1	34,9

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

Accessories and spare parts

HY79 Hygiene kit. Easy-to-replace hygiene kit consisting of attenuating cushions and ear cushions

HY100A Clean single-use protectors. A single-use protector that is easy to apply to the ear cushions. Packages of 100 pairs

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)

M995 Wind protector for microphone. Effective against wind noise. For electric microphone. (MT53)

M41/2 Wind protector for surround mic. For Tactical XP

MT91-50 Throat microphone. ATEX-approved for Tactical XP and standard headset



HY79



M41/2



MT91-50



HYM1000

Peltor Adapter – the reliable link

The adapter between the headset and the communication radio is crucial for communication. This is where the PTT button for transmission is, which means that you must always have the adapter within reach and yet out of the way.

The adapter is intended to tolerate rough treatment and harsh climates, day after day. The Peltor Adapter has what it takes. Approved in EX class EEx ib IIC T4.

The PTT button is logically positioned and easy to use, even with thick gloves on.

The adapter is built into a functional, watertight, sturdy shell with no protruding parts and is designed to fit the size and shape of a hand.

A sturdy clamp on the back can be twisted 360 degrees for easy, flexible use in all situations.



The cord reinforcement and chassis jack have been tested to withstand being plugged in, unplugged and bent at least 100,000 times.

The whole adapter, and particularly the contact, is designed to keep moisture away from the electronics.

EX-approved adapters Class Ex II 2 G EEx ib IIC T4

Product Code	Communication radios
FL5205	Ascom Tateco CTS900, Ericsson Freetset
FL5212	Motorola MX1000, MX2000, MX3000
FL5214	Motorola GP300 / Radius P110
FL5216	Ericsson P50/500
FL5218	Motorola HT1000, MT2000, GP900, GP1200
FL5230	Motorola GP320/340
FL5245	Atlantis TP8000
FL5259	Puma T3

Technical data

Conforms to the CE requirements in the EU's EMC directive 89/336/EEG. Sealed to IP65 according to IEC 60529

Accessories and spare parts

TKFL01 Cord clamp. Load-relieving clamp to attach the cord to clothing.

TKD5005 Clamp. To fasten the adapter in place.

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