

World leaders in hearing protectors and communication

Experience

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 guarantees quality for our customers and the best technology to make optimal use of, and continue to expand, our broad experience.

Peltor's 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.

Resources

Peltor is part of the American Aearo corporation, a world leader on the personal safety equipment market. Aearo's other products are sold in Europe under the following brands:

AO Safety – a leading brand of safety glasses, facial and respiratory protectors.

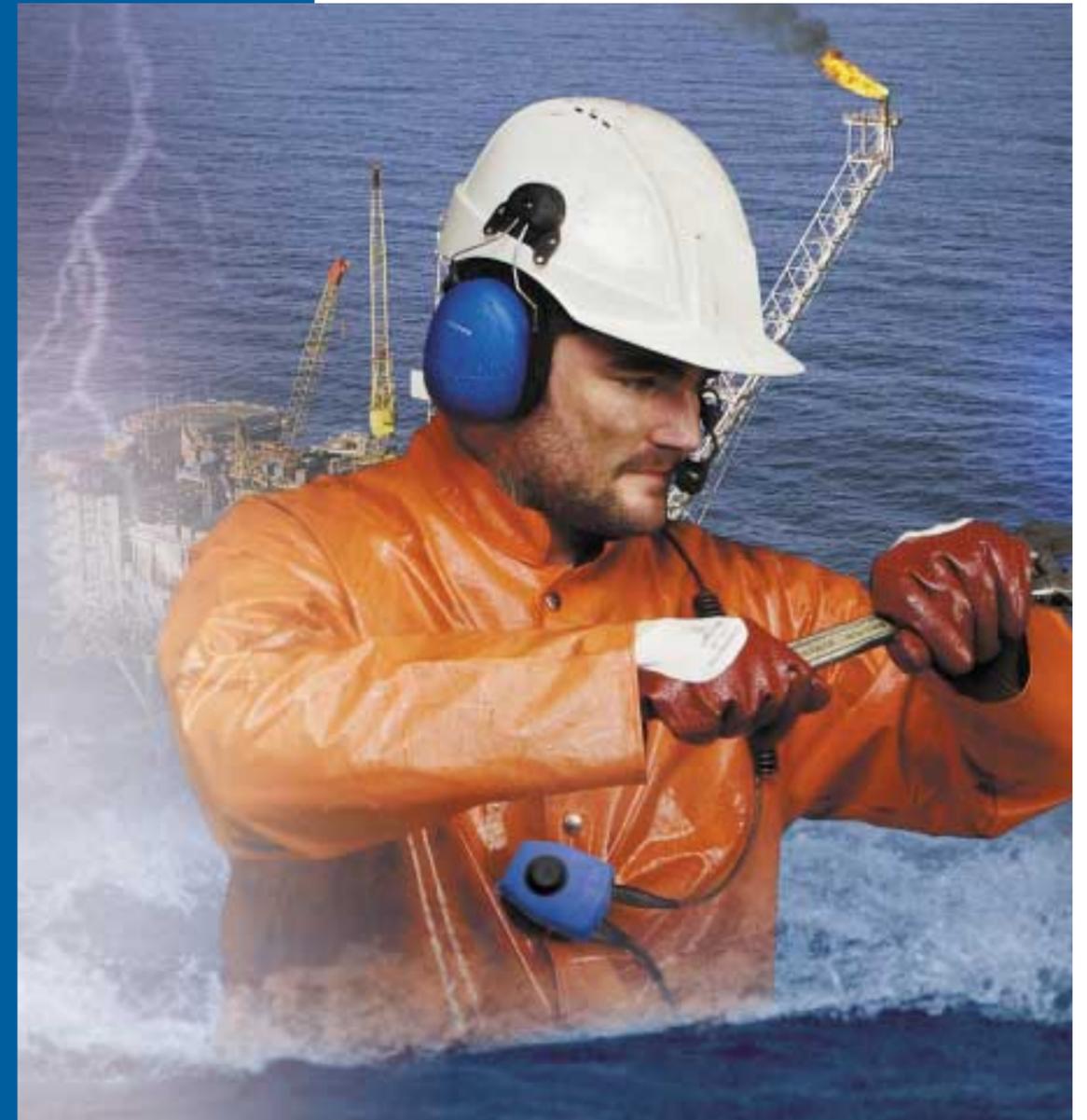
E·A·R – the leading brand with a wide range of ear plugs. Our best-seller is the E·A·R Classic, the world's most widely sold earplug.

With Aearo's world-wide distribution network, our products are available practically everywhere. This guarantees that our customers always have access to the best, safest alternative.

PELTOR[®]

Peltor Blue-Line[™]

EEx solutions for extreme environments



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Communication solutions for extreme environments

The **Peltor Blue-Line™** is a new series of EEx products, designed for use in extreme conditions. Developed in close collaboration with demanding users, these products have undergone rigorous testing in harsh environments. As always, our goal was to make demanding communication easier and more reliable. And we know our solutions work.

Peltor Headsets – to hear and be heard

Hearing or making yourself heard in extremely noisy environments isn't easy. Giving and hearing detailed information and instructions is impossible without the right equipment. Peltor's new EEx-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. Approved under the ATEX directive with certification code EEX ib IIC T4

Headband

Individually sprung stainless steel wires for an even distribution of pressure around the ears.

Two-point fasteners

With flexible, continuous height adjustment.

Microphone

Ambient noise-compensated, dynamic lip microphone.

Microphone arm

Fast and easy adjustment of distance, length, height and angle. Easy to switch between speech and stand-by mode.

Variants

F: Collapsible headband. With a comfortable, durable leather covering. Can be collapsed for storage, transport etc.

B: Neckband. Out of the way when you use special hardhats, welding face shields etc.

P3E: Helmet attachment. Easy to install on most available hardhats and helmets on the market.



Ear cups

High-attenuating cups with an optimal acoustic design and plenty of space for the ears.

Comfort and hygiene

Broad ear cushions filled with fluid and foam provide a good seal and low pressure. The ear cushions are easy to replace.

Baffle-mounted earphone

This design allows sound reproduction with the least possible resonance and distortion.

Spiral cord: 0.4–1.0 m

Ambient noise-compensated, dynamic lip microphone.

Peltor Adapter – the reliable link

The adapter between the headset and the communication radio is crucial for communication. The adapter houses the PTT button, where communication is keyed, so it has to be easily accessible at all times and manoeuvrable without being in the way. Because of this, it is often exposed to rough treatment and harsh climates and must be very rugged. Approved in EX class EEX ib IIC T4

Easy to use

The PTT button is logically placed and specially designed to be easy to use even with heavy gloves.

Moisture-sealed

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

Sturdy shell

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



Attachment clamp

On the back is a sturdy clamp that can be twisted 360°, making the adapter as easy and flexible as possible to use in all situations.

Durable connectors

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

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

Models	Connector	Product code	Weight
Collapsible headband	TP-120	MT7H79F-50	335 g
Neckband	TP-120	MT7H79B-50	300 g
Helmet attachment	TP-120	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
Collapsible 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 Stereo	HTM79P3E-54	320 g

Accessories and spare parts

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

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

Mike Protector – HYM1000.

Moisture and wind-tight. Hygienic, effective protector that increases the life span of the speech microphone. Packages of 5 metres, approx. 50 replacements.

Wind protector for microphone – M40/1.

Effective against wind noise. One per package.

Attenuation values

The Peltor EEx headset is tested and approved according to PPE directive 89/686/EEC and applicable parts of the European EN352-1:1993 standard. Attenuation values from test report 99076T02, issued by FIOH, Topeliuksenkatu 41, FI-00250 Helsinki, Finland ID#0403.

Headband and neckband (F, B)

Model	Frequency ²	125	250	500	1000	2000	4000	8000	H	M	L	SNR
	Mean att. ³	17.7	27.1	33.8	38.1	36.2	33.6	37.1				
	Stand. dev. ⁴	2.9	2.1	2.4	2.6	2.3	2.5	2.2	33 dB	32 dB	24 dB	33 dB
	APV	14.8	25.0	31.4	35.5	33.9	31.1	34.9				

Helmet attachment (P3E)

Model	Frequency ²	125	250	500	1000	2000	4000	8000	H	M	L	SNR
	Mean att. ³	17.2	26.4	33.9	37.2	35.4	33.2	37.0				
	Stand. dev. ⁴	3.1	2.5	2.7	2.3	2.6	2.4	2.0	33 dB	31 dB	23 dB	32 dB
	APV	14.1	23.9	31.2	34.9	32.8	30.8	35.0				

Technical data

Conforms to the CE requirements in the EU's EMC directive 89/336/EEC. Sealed to IP65 according to IEC 60529 Max input voltage and current: max 10 V/450 mA

Accessories and spare parts

Cord clamp – TKFLO1.
Load-relieving clamp to attach the cord to the clothing.

Clamp – TKD5005.
To fasten the adapter in place.

Plastic screw – FE0231.
Screw for cover. Also serves as a stopper for the clamp.

Product code	EX class	Compatible devices
FL5102	ib IIC T4	Motorola HT600, HT800, MT1000
FL5109	ib IIC T4	Motorola MX300
FL5111	ib IIC T4	Dittel FSG4, FSG5
FL5112	ib IIC T4	Motorola MX1000, MX2000, MX3000
FL5114	ib IIC T4	Motorola GP300 / Radius P110
FL5116	ib IIC T4	Ericsson P50/500, Niros
FL5118	ib IIC T4	Motorola HT1000 MT2000 GP900