



# Airport maintenance

For better safety in airport environments



# Easy to make the right choice!

## How do you know what's right for you?

A common reason that people are careless with hearing protectors is that they choose the wrong one. Too large a unit can be uncomfortable, and hearing speech and other signals may be unnecessarily difficult.

But how do you know what's right for you?

The basic rule is that you should always wear hearing protection 100 % of the time you spend in environments with an A-weighted noise level of 85 dB or higher. How damaging the noise environment is to your ears is determined by the noise level and the length of time you spend in it. For example, eight hours in an 85-dB A-weighted noise level is just as harmful as 15 minutes in a 100-dB A-weighted noise level.



### High pitch, high volume ...

The Optime I. Good attenuation, especially at high frequencies. The attenuation properties of the hearing protector afford excellent communication capacity.



### + lower pitch and higher volume ...

The Optime II. Increased attenuation, especially for lower frequencies. This good attenuation, which includes higher frequencies as well, is suitable protection in most noise situations.



### + bass and extreme volume

The Optime III. Extra noise attenuation for both high and low frequencies, intended for noise with especially high volume. This hearing protector meets the toughest requirements for attenuation.



"The basic rule is that you should always wear hearing protection 100 % of the time you spend in environments with an A-weighted noise level of 85 dB or higher"





# Reliability and durability

The Peltor Hearing protection range provides, fine tuned attenuation level for different noise environments. The headset range offers in addition to the excellent attenuation, unique acoustic performance providing outstanding communication in very high noise environments. Peltor's proven and durable designs ensure high comfort levels, allowing long term use under tough conditions.

Individually sprung headband wires of stainless sprung steel provide an even and consistent distribution of pressure around the ears.

High attenuating cups with optimised acoustic design and excellent space for the ears for best possible sound quality and comfort.

Low, two-point fasteners and easy height adjustment with no protruding parts.

Microphone with excellent suppression of ambient noise for clear and reliable communication.

Soft, wide foam and fluid-filled sealing rings with built-in pressure evening channels provide low pressure, effective sealing and ideal comfort.

Beam-mounted earphones that provide the least possible resonance and distortion for excellent sound reproduction even in very high noise environments.

Microphone arm Quick and easy to set distance, length, height, angle. Easy to switch between speech and standby mode.

Connection cord, insulated with flexible polyurethane and with a moulded connector.



# Peltor Ground Mechanics Headset

When inspecting aircraft before and after flights, handling luggage near aircraft, and in many other tasks at airports, you need hearing protection. You also need to be as visible as possible to prevent incidents. Peltor has developed a series of hearing protectors and headsets called Hi-Viz.



## Ground Mechanics Hi-Viz headset MT7H79F-01 GB

The headset has a dynamic differential microphone with excellent ambient noise compensation and a built-in microphone amplifier.

The frequency range of the earphones gives good sound reproduction. Weight: 400 g

Model	Frequency <sup>2</sup>	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Headset MT7H79F-01 GB	Mean att. <sup>3</sup>	17.2	26.4	33.9	37.2	35.4	33.2	37.0	33 dB	31 dB	23dB	32 dB
	Stand. dev. <sup>4</sup>	3.1	2.5	2.7	2.3	2.6	2.4	2.0				
	APV	14.1	23.9	31.2	34.9	32.8	30.8	35.0				



## Ground Mechanics Hi-Viz Twin Cup headset MT53H540F-01 GB

The unique design, with double shells, gives maximum protection against loud noises, even at low frequencies. The earphones provide superb sound reproduction, even in extremely noisy environments. The headset has an electret microphone with extremely good ambient noise compensation and a built-in microphone amplifier. Weight: 420 g

Model	Frequency	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Headset MT53H540-01 GB	Mean att. <sup>3</sup>	18.9	24.4	32.7	35.3	33.3	41.0	39.4	33 dB	31 dB	24 dB	33 dB
	Stand. dev. <sup>4</sup>	2.3	1.8	1.7	2.6	2.7	3.0	3.2				
	APV	16.6	22.6	31.0	32.7	30.6	38.1	36.2				



## Ground Mechanics headset MT7H79F-01

The headset has a dynamic differential microphone with excellent ambient noise compensation and a built-in microphone amplifier.

The frequency range of the earphones gives good sound reproduction. Weight: 400 g

Model	Frequency <sup>2</sup>	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Headset MT7H79F-01	Mean att. <sup>3</sup>	17.2	26.4	33.9	37.2	35.4	33.2	37.0	33 dB	31 dB	23dB	32 dB
	Stand. dev. <sup>4</sup>	3.1	2.5	2.7	2.3	2.6	2.4	2.0				
	APV	14.1	23.9	31.2	34.9	32.8	30.8	35.0				

## Adapters FL5000

Adapter built into a functional, watertight, sturdy shell with no protruding parts, designed to fit the size and shape of a hand. Sturdy clamp that can be twisted 360° for easy attachment in all situations.

The PTT button is logically placed and specially designed to be easy to use even with heavy gloves. Connector cables are available for the most common communication radio and telephone systems on the market.

Sealed to IP65.

### FL5006 GB

Reinforced cable with short spiral length: 3.0 - 6.0 m

### FL5007 GB

Kevlar® reinforced cable with long spiral length: 1,5 - 6,5 m

### FL5008 GB

Reinforced straight cable length: 6,5 m





# Hearing protectors with high visibility!

Choosing a hearing protector has just become even easier! The Peltor Optime has a simple graduation system that makes it even easier to select a hearing protector for various work situations, and it is now available in signal colour!

The Peltor Optime is not only an easy choice – it's also easy to wear, thanks to its functional design and high comfort.



## Optime I Hi-Viz

Low profile combined with generous internal depth. The collapsible headband ensures that the hearing protector takes up little space even when not in use. Good attenuation, especially at high frequencies. The attenuation properties of the hearing protector afford excellent communication capacity. Weight: 200 g



Model	Frequency <sup>2</sup>	125	250	500	1000	2000	4000	8000	H	M	L	SNR
OPTIME I	Mean att. <sup>3</sup>	12.2	18.7	27.1	32.9	35.0	36.5	34.4				
H510F	Stand. dev. <sup>4</sup>	3.4	3.2	3.0	2.1	4.0	2.9	3.9				
	APV	8.7	15.5	24.1	30.8	31.0	33.6	30.6	32 dB	25 dB	16 dB	28 dB



## Optime II Hi-Viz

The larger volume of the cups offers not only better comfort during long-term use, but also better attenuation at lower frequencies. The thin, comfortable headband can be worn under headwear and is also small and convenient when not in use. Weight: 230 g



Model	Frequency <sup>2</sup>	125	250	500	1000	2000	4000	8000	H	M	L	SNR
OPTIME II	Mean att. <sup>3</sup>	14.5	20.3	32.6	39.1	35.1	34.7	39.8				
H520F	Stand. dev. <sup>4</sup>	1.8	2.6	2.4	2.5	2.3	2.7	2.5				
	APV	12.7	17.7	30.2	36.6	32.8	32.0	37.3	34 dB	28 dB	20 dB	31 dB



## Optime III Hi-Viz

Optime III is a super-muff, and has been developed for use in extremely noisy environments. The protection is based on new technology with a double casing that minimises resonance in the holder casing. An acoustic connection between the inner volume and the volume between the casings in its turn provides maximum low-frequency muffling. Weight: 285 g



Model	Frequency <sup>2</sup>	125	250	500	1000	2000	4000	8000	H	M	L	SNR
OPTIME III	Mean att. <sup>3</sup>	17.4	24.7	34.7	41.4	39.3	47.5	42.6				
H540A	Stand. dev. <sup>4</sup>	2.1	2.6	2.0	2.1	1.5	4.5	2.6				
	APV	15.3	22.1	32.7	39.3	37.8	43.0	40.0	40 dB	32 dB	23 dB	35 dB

# Other Peltor Headsets

With carefully designed microphone/speaker system and excellent attenuation, the Peltor headset range offers unique acoustic performance providing outstanding communication in every high noise environment.

Highly attenuating cups with optimised acoustic design and excellent space for the ears for best possible sound quality and comfort. Carefully selected receiver elements and microphones with efficient noise compensation provide the least possible resonance and distortion for excellent sound reproduction and ensure clear and reliable communication even in very high noise environments.

Soft and wide foam filled sealing rings and individually sprung headband with wires of stainless sprung steel provide an even and consistent distribution of the pressure around your ears for best possible comfort. Numerous configurations, as overhead, neck band and helmet attachments versions with many different cups and microphones meet most user's requirements.

## Direct connection headsets

have PTT button on the cup and connectors for direct connection to your communication radio, GSM or DECT telephone.



## Peltor Wireless Solutions headset

even enables wireless connection to a telephone using the Bluetooth™ technology. The headset and the telephone can be up to 10 metres apart and out of visible range without losing contact. The headset has volume and answer buttons on the cup.



## Peltor Listen-only headsets

Connected to communication radios, pocket receivers, CD players etc. the listen-only headsets gives you comfortable listening, also during long term use and under very tough conditions.



## Peltor non attenuation headset

A durable lightweight headset, specially designed to low noise environments, with very high comfort due to broad headband of sprung stainless steel, which ensures even pressure. It has replaceable padding with built-in air ducts and continuous height adjustment.



## Accessories

Peltor disposable Mike Protector preserves the microphone against moisture and hissing like the permanent foam wind screens. There are also easy replaceable hygiene kits, consisting of attenuating cushions and snap-in sealing rings and disposable hygienic protection for the sealing rings.





### Peltor Lite-Com II

Lite-Com is a range of products with communication radio built into the cups. This system provides efficient and effortless short range two-way communication up to about 2 km. Lite-Com II operates on either of the 433 or 446 MHz bands, which are licence free in most European countries.



### Peltor ProTac

The Peltor Tactical products are “hearing hearing protectors” At the same time as you are protected against harmful noise you can listen to ambient sounds. A sound from the surrounding can even be amplified, but high impulse noises are effectively cut off. You can communicate with the person next to you and you can hear all possible warning signals.



### Peltor DECT-Com

Peltor Dect-Com is a wireless digital intercom system for up to eight users within a limited area, for instance some hundred meters around an airport hangar. The DECT-technology offers unique communications possibilities with high sound quality. With full duplex, the communication becomes as natural as a normal conversation.



## More than 50 years of experience



The Peltor brand is well known among aviators for high quality aviation headsets. But the Peltor brand also comprises a broad range of equipment for combining hearing protection and communication for the ground handling at airports. Peltor is recommended by experts and used by all considering people.

Peltor is one of the brands in the Aearo group, where EAR, AOSafety and others completes your need for personal protection equipment.

**Peltor AB**

Box 2341, SE-331 02 Värnamo, Sweden  
Tel. +46 (0)370 65 65 65, Fax. +46 (0) 370 65 65 99  
e-mail: [info@peltor.se](mailto:info@peltor.se), [www.peltor.se](http://www.peltor.se)