

BENELEC

Professional Wireless Solutions

PELTOR®

Headset Solutions for reliable communication



New Headset range

With its carefully designed microphone/speaker system and excellent attenuation, the new headset range offers 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 very tough conditions.



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

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

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

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

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

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

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

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



Headband (A) Extra broad with soft padding for ideal comfort throughout the working day.



Foldable headband (F) For convenient storage when you are not using the headset



Neckband (B) For situations where the headband must not be in the way.



Helmet attachment (P3E) Allows the headset to be attached on most of the common helmets.

Attenuation tables

The headsets are tested and approved according to PPE directive 89/686/EEC and applicable parts of the European EN 352-1:1993 standard. Attenuation values from the test report for certificate issued by the Department of Physics, Finnish Institute of Occupational Health, Topeliuksenkatu 41, FI-00250 Helsinki, Finland, ID# 0403. Explanation of the attenuation value table: 1) Frequency in Hz. 2) Average attenuation in dB. 3) Standard deviation in dB. 4) Average Protection Value.

Headband, foldable headband and neckband (A, 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				

Standard headsets



Standard Headset with HTS 230 Ω earphones and MT7 microphone. 0.5–1.4-m connector cable of soft, spiral polyurethane with moulded Nexus TP-120 connector for use with PTT adapter.

Models	Product code	Weight
Headband	MT7H79A	315g
Neckband	MT7H79B	300g
Helmet attachment	MT7H79P3E	345g



Eex-approved headsets – EEX ib IIC T4

Eex-approved headset with HTS 230 Ω earphones and MT7 microphone. 0.5–1.4-m connector cable of soft, spiral polyurethane with moulded Nexus TP-120 connector for use with Eex approved PTT adapter.

Models	Product code	Weight
Foldable Headband	MT7H79F-50	335g
Neckband	MT7H79B-50	300g
Helmet attachment	MT7H79P3E-50	345g



Headset with direct lead to communication radios

Headsets with direct lead to various communication radios. Built in push to talk button (PTT) on left cup. The headsets are equipped with two parallel connected HTS 230 Ω earphones and MT53 microphone.

MT53H79*-21 for Motorola GP300

MT53H79*-31 for Icom and others, MT53H79*-32 for Motorola GP340

Models	Product code	Product code	Product code	Weight
Headband	MT53H79A-21	MT53H79A-31	MT53H79A-32	310g
Helmet attachment	MT53H79P3E-21	MT53H79P3E-31		340g
	MT53H79P3E-32			



Headset with direct lead to phones

Headset with direct lead to certain GSM and DECT phones. Hook on/Hook off button built into the left cup. The headset is equipped with two parallel connected HTS 230 Ω earphones and MT53 microphone. 0.8–1.9m connector cable of soft, spiral polyurethane with moulded \varnothing 2,5 mm connector. (Certain phones may require a special adapter for connection.)

Models	Product code	Weight
Headband	MT53H79A-28	310g

Listen Only headsets



Listen –Only headset – Stereo

Listen –Only headset with limiter and HTR 230 Ω earphones and a 0.75–1.4 m connector cord of soft, spiral polyurethane with a moulded connector for radios with a connection impedance of 4–600 Ω . The HTB has maximum input impedance. 82 dB equivalent sound level.

Models	Product code	Weight
Headband	HTB79A	290g
Foldable Headband	HTB79F	275g
Helmet attachment	HTB79P3E	320g



Listen –Only headset - Mono

Listen –Only headset with two parallel connected HTR 230 Ω earphones and a 0.75–1.4 m connector cord of soft spiral polyurethane with a moulded connector for radios with a connection impedance of 4–300 Ω . Also suitable for the Peltor Workstyle pocket receiver.

Models	Product code	Weight
Headband	HTM79A	290g
Foldable Headband	HTM79F	310g
Neckband	HTM79B	275g
Helmet attachment	HTM79P3E	320g



EEx-approved Listen-Only headset – EEX ib IIC T4

Listen-Only headset with HTR 230 Ω earphones and 0.75–1.4 m connector cord of soft spiral polyurethane with a moulded connector.

Models	Product code	Weight
Foldable Headband	HTM79F-50	310g
Helmet attachment	HTM79P3E-50	320g

MT7 Microphone

Type: Dynamic differential microphone
 Frequency range: 70–9000 Hz +/- 6 dB
 Sensitivity as lip mike: 4 mV/220 Ω
 Impedance: 230 Ω
 Noise suppression: 12 dB at 1 kHz

MT53 Microphone

Type: Electret differential microphone
 Frequency range: 70–10000 Hz +/- 6 dB
 Sensitivity as lip mike: 15mV/680 Ω
 Impedance: 680 Ω
 Noise suppression: 15 dB at 1 kHz

Earphone HTS-230 Ω

Type: Dynamic
 Frequency range: 125-8000Hz
 Impedance: 230 Ω
 Output level at 0,5V/1kHz: 81dBA

Earphone HTR-230 Ω

Type: Dynamic
 Frequency range: 32-1600Hz
 Impedance: 230 Ω
 Output level at 0,5V/1kHz: 81,5dBA



**Peltor – The Sound solutions
in noisy environments**

When it comes to protective equipment, only one thing counts: the pursuit of progress. For more than 50 years, Peltor has specialised in developing and manufacturing hearing protection.

Today we are world leaders in that field. We work constantly on research and development – with one goal in view: to be better than ourselves. The result is a complete range of hearing protection and communication options that provide alternatives for all noise-hazard situations.

Your hearing is too important to compromise!

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