



3M™ PELTOR™ CH-3 FLX2 Listen only Hearing Protector

Product Description



HT52A-112



HT52B-112



HT52P3E-112

The 3M™ PELTOR™ CH-3 FLX2 Listen only Hearing Protector will bring hearing protection and communication in noisy environments into a new level of performance with newly designed speakers. The newly designed dual mold cup gives a modern and slim look with bright yellow colour for enhanced visibility.



Hearing protection with external audio input

Key Features

- Bright yellow colour for enhanced visibility
- Slim cup design
- Detachable down lead connector for high flexibility
- Improved speaker efficiency to fit today's digital devices
- Gel ring approved with Headband and Helmet attachment
- Newly designed headband

Applications

The 3M™ PELTOR™ CH-3 FLX2 Listen only Hearing Protector can enhance communication in noisy environments. Suitable for work in Pulp and Paper, Construction and other workplaces, where the workers need to be connected to their 2-way handheld or fixed systems throughout the day to help facilitate frequent contacts with co-workers.

Standards and Approvals

Hereby, 3M Svenska AB declares that the product is in compliance with appropriate directives or regulations to fulfill the requirements for the CE marking.

The full text of the EU declaration of conformity is available at the following internet address: www.3M.com/PELTOR/DOC. A copy of the declaration of conformity and additional information required in the directives or regulations can also be obtained by contacting 3M in the country of purchase.

Models and Accessories

Models

Article Number	Description	3M ID
HT52A-112	3M™ PELTOR™ CH-3 Listen Only Headset, Headband, Yellow	7100203299
HT52P3E-112	3M™ PELTOR™ CH-3 Listen Only Headset, Helmet attach, Yellow	7100203302
HT52B-112	3M™ PELTOR™ CH-3 Listen Only Headset, Neckband, Yellow	7100203298

Accessories

Article Number	Description	3M ID
HY84	3M™ PELTOR™ Hygiene kit	7100212095
HY80	3M™ PELTOR™ Gel snap-in cushions	7000127268
HY100A	3M™ PELTOR™ Clean Hygiene Pad, 100 pair	7100064410

FLX2 Cables

Article Number	Description	3M ID
FLX2-202	3M™ PELTOR™ FLX2 Cable 3,5mm Stereo	7100191443
FLX2-203-50	3M™ PELTOR™ FLX2 Cable 2,5mm Mono, Ex approved	7100185762
FLX2-204	3M™ PELTOR™ FLX2 Cable 1/4" Stereo	7100191444
FLX2-205-50	3M™ PELTOR™ FLX2 Cable 3,5mm Mono, Ex approved	7100185800
FLX2-208	3M™ PELTOR™ FLX2 Cable 3,5mm Threaded	7100207324

Technical Data Specifications

Model	Weight (FLX2 cable excl.)
Headband	273g (with HY80 = 332g)
Helmet attachmenet	224g (with HY80 = 283g)
Neckband	256g

Materials

Attachment wire: Stainless steel

Two-point fastener: Acetal

Inline foam: PVC foil and polyether foam

Attenuation cushion: Polyester foam

Cup: ABS plastic

FLX2 Connector: 6-pin, mini XLR

Speakers: 46 mm diameter, 230 Ohm +/-10%, SPL 107 +/- 2dB, 100-8000 Hz, IP54

Storage

Operating temperature: -20°C - +50°C

Recommended storage conditions: -20° - +40°C, <90% humidity

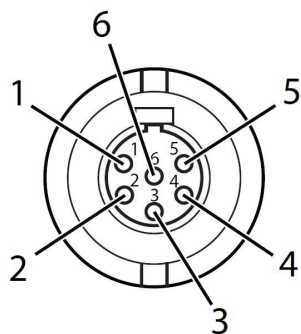
Recommended product lifetime: 5 years

User limitation: Never modify or alter this product

Approved Safety Helmets

Manufacturer	Model	Attachment	Head Size
3M	G3000 Basic set	E	M, L
3M	G2000	K	S, M, L
3M	SecureFit X5500	E	S, M, L
3M	SecureFit X5000	E	S, M, L
3M	G3501	E	L
3M	Versaflo M-307 (M-300)	AF	M, L

Pin Configuration



Number	Description
1	Microphone
2	Microphone Ground
3	Speaker Left Side Ground
4	Speaker Left Side
5	Speaker Right Side
6	Speaker Right Side Ground

In the box

1 x 3M™ PELTOR™ CH-3 FLX2 Listen Only Hearing Protector

1 x User instruction

Laboratory Attenuation

Table 1: HT52A-112 with foam cushions, EN352-1:2020

Frequency (Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MV (dB)	15.0	21.6	32.9	35.5	33.5	33.2	34.1	33.6	30.6	22.6	31.8
SD (dB)	2.7	1.9	2.0	2.1	2.8	2.7	3.5	2.1	1.5	2.1	1.6
APV = MV - SD (dB)	12.3	19.7	30.9	33.4	30.7	30.5	30.6	32	29	21	30

Table 2: HT52B-112 with foam cushions, EN352-1:2020

Frequency (Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MV (dB)	11.4	19.5	29.6	33.0	33.9	32.7	34.8	33.1	28.1	19.5	29.7
SD (dB)	3.2	2.9	2.7	2.8	3.2	2.6	5.7	2.3	2.0	2.9	2.2
APV = MV - SD (dB)	8.2	16.6	26.9	30.2	30.7	30.1	29.1	31	26	17	28

Table 3: HT52P3E-112 with foam cushions, EN352-3:2020

Frequency (Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MV (dB)	17.2	21.4	30.5	33.8	35.1	30.9	34.1	32.8	29.9	23.5	31.2
SD (dB)	3.1	2.3	2.4	4.8	3.0	1.5	5.7	2.0	1.5	2.1	1.5
APV = MV - SD (dB)	14.1	19.1	28.1	29.0	32.1	29.4	28.4	31	28	21	30

Table 4: HT52A-112 with gel cushions, EN352-1:2020

f (Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MV (dB)	14.5	23.3	34.9	36.7	35.6	33.3	37.0	35.1	31.6	22.9	32.8
SD (dB)	2.3	1.7	2.4	2.8	3.4	2.5	3.1	2.1	1.3	1.8	1.4
APV = MV - SD (dB)	12.2	21.6	32.5	33.9	32.2	30.8	33.9	33	30	21	31

Table 5: HT52P3E-112 with foam cushions, EN352-3:2020

Frequency (Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MV (dB)	16.0	21.5	29.7	33.8	35.8	30.6	39.5	33.0	29.7	22.8	31.1

SD (dB)	3.9	2.4	2.8	3.3	4.4	2.8	4.9	1.8	1.7	2.3	1.5
APV = MV - SD (dB)	12.1	19.1	26.9	30.5	31.4	27.8	34.6	31	28	21	30

WARNING! 3M strongly recommends individual fit testing of hearing protectors. If the NRR or SNR is used to estimate typical workplace protection, 3M recommends that the noise reduction value be reduced by 50% or in accordance with applicable regulations. 3M PSD products are occupational use only.



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