



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

## Product Description

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 give a modern and slim look together with bright yellow colour for enhanced visibility.

## 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 device
- 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](http://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.



HT52A-112



HT52B-112



HT52P3E-112



Hearing protection with external audio input for listen only

## 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

HY84	3M™ PELTOR™ Hygiene kit	7100212095
HY80	3M™ PELTOR™ Replacement Gel Cushions	7000127268
HY100A	3M™ PELTOR™ Clean Hygiene Pad, 100 pair	7100064410

## FLX2 cables

FLX2-202	3M™ PELTOR™ FLX2 Cable 3,5mm Stereo	7100191443
FLX2-203	3M™ PELTOR™ FLX2 Cable 2,5mm Mono	7100185762
FLX2-204	3M™ PELTOR™ FLX2 Cable 1/4" Stereo	7100191444
FLX2-205	3M™ PELTOR™ FLX2 Cable 3,5mm Mono	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 attachment:	224g (with HY80 = 283g)
Neckband:	256g

## Materials

Attachment wire:	Stainless steel
Two-point fastener:	Acetal
Inline foam:	PVC foil and polyether foam
Attenuation cushion:	Polyether 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

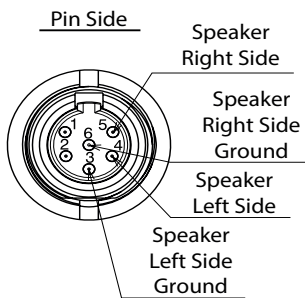
Operating temperature:	-20° C - +50° C
Recommended storage conditions:	-20° C - +50° C, <90% humidity
Recommended max. shelf life:	5 years

**User limitation:** Never modify or alter this product

## Approved Safety Helmets

Helmet Model	Size
3M™ SecureFit™ Safety Helmet X5000	S/M/L
3M™ SecureFit™ Safety Helmet X5500	S/M/L
3M™ G3000 Basic Set	L
3M™ G2000	S/M/L
3M™ G3501	L

## Pin configuration



## In the box

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



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## Laboratory Attenuation

HT52A-112									EN352-1:2002	
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR		
Mean Attenuation (dB)	15.0	21.6	32.9	35.5	33.5	33.2	34.1	30		
Standard deviation (dB)	2.7	1.9	2.0	2.1	2.8	2.7	3.5			
Assumed Protection Value (dB)	12.3	19.7	30.9	33.4	30.7	30.5	30.6			

H=31 dB M=29 dB L=20 dB

HT52A-112 with HY80 Gel Cushions									EN352-1:2002	
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR		
Mean Attenuation (dB)	14.5	23.3	34.9	36.7	35.6	33.3	37.0	31		
Standard deviation (dB)	2.3	1.7	2.4	2.8	3.4	2.5	3.1			
Assumed Protection Value (dB)	12.2	21.6	32.5	33.9	32.2	30.8	33.9			

H=33dB M=30 dB L=21 dB

HT52B-112									EN352-1:2002	
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR		
Mean Attenuation (dB)	11.4	19.5	29.6	33.0	33.9	32.7	34.8	28		
Standard deviation (dB)	3.2	2.9	2.7	2.8	3.2	2.6	5.7			
Assumed Protection Value (dB)	8.2	16.6	26.9	30.2	30.7	30.1	29.1			

H=31 dB M=26 dB L=17 dB

HT52P3E-112									EN352-3:2002	
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR		
Mean Attenuation (dB)	17.2	21.4	30.5	33.8	35.1	30.9	34.1	29		
Standard deviation (dB)	3.1	2.3	2.4	4.8	3.0	1.5	5.7			
Assumed Protection Value (dB)	14.1	19.1	28.1	29.0	32.1	29.4	28.4			

H=31 dB M=28 dB L=21 dB

HT52P3E-112 with HY80 Gel Cushions									EN352-3:2002	
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR		
Mean Attenuation (dB)	16.0	21.5	29.7	33.8	35.8	30.6	39.5	29		
Standard deviation (dB)	3.9	2.4	2.8	3.3	4.4	2.8	4.9			
Assumed Protection Value (dB)	12.1	19.1	26.9	30.5	31.4	27.8	34.6			

H=31 dB M=27 dB L=20 dB

**WARNING:** 3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations for guidance on how to adjust attenuation label values. In the absence of applicable regulations, it is recommended that the SNR be reduced to better estimate typical protection.

### Warranty:

The warranty does not cover any damage caused by neglected maintenance or careless handling.  
 For more information on maintenance, please see the User Instruction.  
 For complete warranty condition, contact your dealer or local 3M office

### Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M.  
 The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

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