



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

### Product Description

The 3M™ PELTOR™ CH-3 FLX2 Listen only Ex 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, along with a bright blue color to indicate Ex/IS certified design.

### Key Features

- Bright blue color indicates Ex/IS certified design
- Slim cup design
- Detachable down lead connector for high flexibility
- Improved speaker efficiency to fit today's digital device
- Newly designed headband



### Applications

The 3M™ PELTOR™ CH-3 FLX2 Listen only Hearing Protector can enhance communication in noisy environments. Suitable for workplaces that require Ex/S certified designed approved equipment, 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 and/or UKCA 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.



Hearing protection with external audio input for listen only

### Ex/IS Approvals

IECEX/ATEX/UKEX

Ex I M1 Ex ia I Ma -20°C Ta: +50°C

Ex II 1G Ex ia IIC T4 Ga -20°C Ta: +50°C

Ex II 1D Ex ia IIIC T200/135°C Da -20°C Ta: +50°C

Presafe 19ATEX14993X, IECEX PRE 19.0050X, DNV 22 UKEX 24219X

Ex/IS CSA

Class I, Division 1, Groups A, B, C & D \*\*

Class II, Division 1, Groups E, F & G, Class III, Division 1 \*\*

Class I, Division 2, Groups A, B, C & D AEx/Ex ia IIC T4 Ga -20°C ≤ Ta: ≤ +50°C

CSA 22CA80111535

\*\* Some of the radios/accessories may not be certified for all locations. The headsets therefore are considered to have the same Hazardous Locations classification as the radios/accessories to which they are connected. Refer to the radio manufacturer's User Document for the hazardous locations rating of the particular radio/accessory.

### Models

Article number	Description	3M ID
HT52A-112-50	3M™ PELTOR™ CH-3 Listen Only Headset, Headband, Ex approved, Blue	7100203639
HT52P3E-112-50	3M™ PELTOR™ CH-3 Listen Only Headset, Hard hat attachment, Ex approved, Blue	7100203297

### Accessories

HY84	3M™ PELTOR™ Hygiene kit	7100212095
HY100A	3M™ PELTOR™ Clean Hygiene Pad, 100 pair	7100064410

### FLX2 cables

FLX2-203-50	3M™ PELTOR™ FLX2 Cable 2,5mm Mono, Ex Approved	7100185762
FLX2-205-50	3M™ PELTOR™ FLX2 Cable 3,5mm Mono, Ex approved	7100185800

# Technical data specifications

Model	Weight (FLX2 cable excl.)
Headband:	275g
Helmet attachment:	226g

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

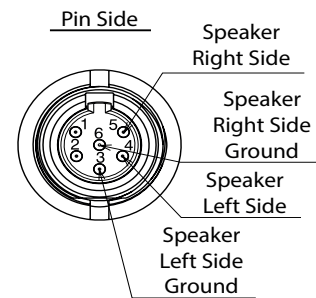
Storage	
Operating temperature:	-20° C - +50° C
Recommended storage conditions:	-20° C - +50° C, <90% humidity
Recommended max. shelf life:	5 years

**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 Ex Hearing Protector.
- 1 x User instruction



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PSD products are occupational use only.

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## Laboratory Attenuation

HT52A-112-50									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

HT52P3E-112-50									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

HT52A-112-50											ANSI S3.19-1974		
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class		
Mean Attenuation (dB)	19.4	22.1	30.9	39.8	38.2	33.3	35.6	36.7	36.9	26	A		
Standard deviation (dB)	2.8	2.3	2.9	2.5	3.1	2.7	2.4	2.6	3.2				

HT52P3E-112-50											ANSI S3.19-1974		
Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class		
Mean Attenuation (dB)	21.1	21.6	32.4	36.4	39.2	32.0	35.3	35.5	36.5	25	BL		
Standard deviation (dB)	3.1	2.8	2.9	3.7	3.1	2.8	3.4	2.6	3.8				

HT52A-112-50										AZ/NZS 1270:2002		
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SLC <sub>90</sub>	Class	Clamping force (N)		
Mean Attenuation (dB)	17.8	19.8	28.5	33.9	34.0	32.7	36.2	31	5	10.7		
Standard deviation (dB)	2.9	2.7	2.7	2.7	2.8	2.3	4.1					
Mean minus SD	16.8	17.1	26.3	35.3	32.2	31.9	33.3					

HT52P3E-112-50										AZ/NZS 1270:2002		
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SLC <sub>90</sub>	Class	Clamping force (N)		
Mean Attenuation (dB)	17.8	19.8	28.5	33.9	34.0	32.7	36.2	29	5	9.6		
Standard deviation (dB)	4.0	3.8	3.7	3.5	3.6	3.1	4.3					
Mean minus SD	13.8	16.0	24.8	30.4	30.4	29.6	31.9					

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 and guidance on how to adjust attenuation label value(s). In the absence of applicable regulations, it is recommended that the attenuation label value(s) 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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