3M™ PELTOR™ CH-3 FLX2 Headset

Product Description

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

Key Features

- Newly designed headband
- Bright yellow colour for enhanced visibility
- Slim cup design
- Detachable down lead connector for high flexibility
- Improved speaker efficiency to fit todays digital device
- Water tight microphone (IP68)
- Gel ring approved with Headband and Helmet attachment Headset

Applications

The 3M™ PELTOR™ CH-3 FLX2 Headset can enhance communication in noisy environments. Suitable for work in Pulp and Paper, Construction, Airport applications 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.

MT74H52A-*

External jack for communicating with external communication devices.

Noise cancelling boom microphone for clear speech transmission in noisy environments

Technical data specifications

Model	Weight (FLX2 cable excl.)
Headband:	MT74H52A-110 = 292g (with HY80 = 351g) MT74H52A-111 = 300g (with HY80 = 359g)
Helmet attachment:	MT74H52P3E-110 = 243g (with HY80 = 303g) MT74H52P3E-111 = 251g (with HY80 = 311g)
Neckband:	MT74H52B-110 = 275g MT74H52B-111 = 282g

Materials	
Attachment wire:	Stainless steel
Two-point fastener:	Acetal
Ear cushion:	PVC foil and polyether foam
Inline foam:	Polyether foam
Cup:	ABS plastic
Operating temperature:	-20°C to +50°C
FLX2 Connector:	6-pin, mini XLR
Speakers:	46 mm diameter, 230 Ohm +/-10%, SPL 107 +/- 2dB, 100-8000 Hz, IP54
Speech Microphone type:	Noise cancelling microphone, Dynamic 150 Ohm, IP 68 (6m/30min) Sensitivity .-71dB±3dB(0dB=1v/Pa 1KHz) @50CM Frequency responce 200Hz ~ 7KHz

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

Laboratory Attenuation

MT74H52A-110 / MT74H52A-111 — **EN352-1:2002**

Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	14.2	21.7	34.0	35.4	35.4	33.3	35.3	
Standard deviation (dB)	2.2	1.8	2.2	2.5	3.2	2.4	3.0	31
Assumed Protection Value (dB)	12.0	19.9	31.8	32.9	32.2	30.9	32.3	

H=32 dB M=29 dB L=20 dB

MT74H52A-110 / MT74H52A-111 with HY80 GEL rings — **EN352-1:2002**

Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	11.7	21.8	32.6	36.2	35.6	34.1	37.0	
Standard deviation (dB)	2.7	3.6	4.0	2.8	3.7	2.6	4.1	29
Assumed Protection Value (dB)	9.0	18.2	28.6	33.4	31.9	31.5	32.9	

H=33 dB M=27 dB L=17 dB

MT74H52B-110 / MT74H52B-111 — **EN352-1:2002**

Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	12.3	19.8	29.9	33.4	35.1	32.3	33.6	
Standard deviation (dB)	4.1	3.4	3.2	4.2	4.0	2.0	3.9	28
Assumed Protection Value (dB)	8.2	16.4	26.7	29.2	31.1	30.3	29.7	

H=31 dB M=25 dB L=16 dB

MT74H52P3E-110 / MT74H52P3E-111 — **EN352-3:2002**

Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	18.2	22.4	30.0	34.0	34.9	32.4	34.2	
Standard deviation (dB)	4.4	3.6	2.9	2.5	2.7	1.9	4.0	30
Assumed Protection Value (dB)	13.8	18.8	27.1	31.5	32.2	30.5	30.2	

H=32 dB M=28 dB L=21 dB

MT74H52P3E-110 / MT74H52P3E-111 with HY80 GEL rings — **EN352-3:2002**

Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	17.2	21.5	29.1	34.1	35.7	30.9	35.5	
Standard deviation (dB)	3.5	3.2	4.1	3.1	3.4	3.1	5.8	29
Assumed Protection Value (dB)	13.7	18.3	25.0	31.0	32.3	27.8	29.7	

H=30 dB M=27 dB L=20 dB

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