3M™ PELTOR™ ProTac™ III Slim & ProTac™ III Headset

Product Description

The 3M PELTOR ProTac III hearing protector helps protect against harmful noise, whilst allowing ambient sounds to be heard at a level below 82dB. It increases your ability to communicate with nearby colleagues, as well as hearing warning signals, approaching vehicles, or sounds in machines and processes.



3M™ PELTOR™ ProTac™ III Slim Headset



Hearing protection with level-dependent function for ambient listening



Hearing protection with external audio input

Key Features

- Attenuating hearing protector
- Level-dependent function for ambient listening
- 3.5 mm listen only stereo input (limited to 82 dB) for connection to external devices (e.g. cell phone, two-way radio, Ipod).
- Voice guided menu system
- Auto power off: The headset will turn off after 4 hrs of non-use to save battery
- Low-battery warning at low battery level
- To reduce the corrosion caused by sweat the electronics are located in the outer part of the cup
- Available in both in headband and helmet attached versions (black).
- Available in two different cup sizes: one with higher attenuation and one slim version with lower attenuation.

Applications

The 3M PELTOR ProTac III hearing protectors offer a level-dependent function for ambient listening to be used in noisy areas. Can be used for work in industrial areas, construction sites, rail work and other areas where you need to be able to hear sounds in your surroundings.

Standards and Approvals

3M Svenska AB hereby declares that this 3M™ PELTOR™ Headset is in compliance with the essential requirements and other provisions set out in the appropriate directives. Thereby they fulfil the requirements for CE marking.
The product has been tested and approved in accordance with [EN 352-1:2002 / EN 352-3:2002, EN352-4:2001/A1:2005, EN 352-6:2002].
Notified Body Statement of Opinion offered by:
PZT GmbH, An der Junkerei 48 F, D-26389 Wilhelmshaven, Germany. Notify body #1974

In the box

1 x Headset
2 x AA batteries
1 x User Instruction



3M™ PELTOR™ ProTac™ III Headset



Hearing protection with level-dependent function for ambient listening



Hearing protection with external audio input

Standard Models

Article number	Description	Legacy 3M ID	SAP ID
MT13H220A	3M™ PELTOR™ ProTac™ III Slim Headset, black, headband	UU004637789	7100088456
MT13H220P3E	3M™ PELTOR™ ProTac™ III Slim Headset, black, helmet attachment	UU004637771	7100088455
MT13H221A	3M™ PELTOR™ ProTac™ III Headset, black, headband	UU004690622	7100088424
MT13H221P3E	3M™ PELTOR™ ProTac™ III Headset, black, helmet attachment	UU004690614	7100088423

Accessories

Article number	Description	Legacy 3M ID	SAP ID
HY220	3M™ PELTOR™ HY220 Hygiene Kit	UU008049353	7100101874
FL6CE/1	3M™ PELTOR™ FL6CE/1 3.5 mm Cable	XH001676952	7000108359
HY100A	3M™ PELTOR™ HY100A CLEAN HYGIENE PAD	XH001651351	7100064410

Technical data specifications

Materials:	**Headband MT13H220A, MT13H221A** Headband (Stainless steel, PVC, PA) Headband wire (stainless steel) Two-point fastener (POM) Cushion (PVC foil and PUR foam) Foam liner (PUR foam) Cup (ABS) Level-dependent Microphone (PUR foam) Latch (PA) On/Off/Mode button (TPE) [+] button (TPE) [-] button (TPE) **Helmet attachment MT13H220P3E, MT13H221P3E** Cup supporting arm (stainless steel)
Battery type:	2xAA batteries (Alkaline)
Operating time:	Approximately 100 hours of battery lifetime
Net weight (batteries incl.):	ProTac™ III Slim MT13H220A (headband) = 303g ProTac™ III MT13H221A (headband) = 355g ProTac™ III Slim MT13H220P3E (helmet attachment) = 322g ProTac™ III MT13H221P3E (helmet attachment) = 374g
Operating temperature:	-20°C (-4°F) to +55°C (131°F) (battery dependent)
Storage temperature:	-20°C (-4°F) to +55°C (131°F)
Shelf life:	5 years excl. batteries
Wired connectivity:	3.5mm listen-only stereo input jack (limited to 82 dB)

Use limitation: Never modify or alter this product

Attenuation Europe

MT13H220A 3M™ PELTOR™ ProTac™ III Slim Headset

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	13,3	17.4	22.3	28.0	30.8	37.6	37.0
Std. deviation (dB)	3.2	1.8	2.3	3.2	3.4	2.8	4.8
Assumed Protection Value (dB)	10.1	15.6	20.0	24.8	27.4	34.8	32.2



EN 352-1:2002 **SNR=26 dB H=29 dB M=23 dB L=17 dB**

MT13H221A 3M™ PELTOR™ ProTac™ III Headset

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17.0	24.0	29.5	36.9	37.3	39.3	35.4
Std. deviation (dB)	3.2	2.0	2.6	3.3	4.9	3.2	3.9
Assumed Protection Value (dB)	13.8	22.0	26.9	33.6	32.4	36.1	31.5



EN 352-1:2002 **SNR=32 dB H=34 dB M=29 dB L=22 dB**

MT13H220P3E 3M™ PELTOR™ ProTac™ III Slim Headset

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	12.1	16.9	21.7	29.1	31.8	38.3	32.0
Std. deviation (dB)	3.2	3.0	2.9	3.0	3.3	4.0	6.3
Assumed Protection Value (dB)	8.9	13.9	18.8	26.1	28.5	34.3	25.7



EN 352-3:2002 **SNR=25 dB H=29 dB M=22 dB L=16 dB**

MT13H221P3E 3M™ PELTOR™ ProTac™ III Headset

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	16.6	22.0	29.1	36.3	36.4	38.7	34.2
Std. deviation (dB)	2.7	2.2	2.9	3.4	3.9	4.2	4.0
Assumed Protection Value (dB)	13.9	19.8	26.2	32.9	32.5	34.5	30.2



EN 352-3:2002 **SNR=31 dB H=33 dB M=28 dB L=21 dB**

Attenuation North America

MT13H220A 3M™ PELTOR™ ProTac™ III Slim Headset — ANSI S3. 19-1974

Test Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean Attenuation (dB)	13.4	16.4	23.5	28.5	33.8	40.8	41.4	39.9	37.8	21	B
Standard Deviation (dB)	2.9	2.3	2.4	2.1	2.4	2.1	2.9	3.2	2.7		



MT13H221A 3M™ PELTOR™ ProTac™ III Headset — ANSI S3. 19-1974

Test Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean Attenuation (dB)	17.2	21.8	30.3	36.5	38.4	40.5	40.4	36.2	34.7	26	A
Standard Deviation (dB)	2.4	1.8	2.6	2.9	3.0	2.4	3.4	2.4	2.9		



MT13H220P3E 3M™ PELTOR™ ProTac™ III Slim Headset — ANSI S3. 19-1974

Test Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean Attenuation (dB)	13.1	13.9	21.2	27.2	32.9	37.8	39.0	33.8	31.2	19	B
Standard Deviation (dB)	2.9	1.9	2.4	2.8	3.4	3.3	3.4	3.5	3.0		



MT13H221P3E 3M™ PELTOR™ ProTac™ III Headset — ANSI S3. 19-1974

Test Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean Attenuation (dB)	15.7	19.5	28.7	34.9	34.7	37.1	35.9	32.4	32.2	23	A
Standard Deviation (dB)	3.1	2.1	2.8	2.9	3.0	2.4	3.3	2.9	3.0		



Attenuation Australia and New Zeeland

MT13H220A 3M™ PELTOR™ ProTac™ III Slim Headset — AS/NZS 1270:2002

Test Frequency (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}	Class	Clamping Force (N)
Mean Attenuation (dB)	13.1	15.7	22.4	28.2	31.8	38.8	35.9	26	5	11
Std. deviation (dB)	3.8	2.1	2.9	2.3	2.4	3.0	4.5			
Mean minus SD	9.3	13.6	19.5	25.9	29.4	35.8	31.4			



MT13H221A 3M™ PELTOR™ ProTac™ III Headset — AS/NZS 1270:2002

Test Frequency (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}	Class	Clamping Force (N)
Mean Attenuation (dB)	17.6	22.1	29.9	36.4	37.6	38.4	34.9	32	5	11.3
Std. deviation (dB)	3.7	3.7	3.3	2.8	2.2	2.4	2.6			
Mean minus SD	19.9	18.4	26.6	33.6	35.4	36.0	32.3			



MT13H220P3E 3M™ PELTOR™ ProTac™ III Slim Headset — AS/NZS 1270:2002

Test Frequency (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}	Class	Clamping Force (N)
Mean Attenuation (dB)	12.8	15.2	20.7	27.3	31.7	39.2	35.2	24	4	11.7
Std. deviation (dB)	3.5	4.3	4.4	4.0	2.6	4.3	5.0			
Mean minus SD	9.3	10.9	16.3	23.3	29.1	34.9	30.2			

This earmuff was tested with Protector HC600 industrial safety helmet(P3G adapter).



MT13H221P3E 3M™ PELTOR™ ProTac™ III Headset — AS/NZS 1270:2002

Test Frequency (Hz)	125	250	500	1000	2000	4000	8000	SLC_{80}	Class	Clamping Force (N)
Mean Attenuation (dB)	18.1	21.1	29.4	33.9	35.2	36.2	34.2	30	5	11.9
Std. deviation (dB)	2.5	1.9	3.9	2.8	2.9	4.2	3.4			
Mean minus SD	15.6	19.2	25.5	31.1	32.3	32.0	30.8			

This earmuff was tested with Protector HC600 industrial safety helmet(P3G adapter).



DS16003 rev.a 3M™ PELTOR™ Marketing Communication, Värnamo, Sweden

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