



## 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.

### 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 Slim Headset



Hearing protection with level-dependent function for ambient listening



Hearing protection with external audio input



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  | -          |
| 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:                    | <b>Headband MT13H220A, MT13H221A</b><br>Headband (Stainless steel, PVC, PA)<br>Headband wire (stainless steel)<br>Two-point fastener (POM)<br>Cushion (PVC foil and PUR foam)<br>Foam liner (PUR foam)<br>Cup (ABS)<br>Level-dependent Microphone (PUR foam)<br>Latch (PA)<br>On/Off/Mode button (TPE)<br>[+] button (TPE)<br>[-] button (TPE)<br><b>Helmet attachment MT13H220P3E, MT13H221P3E</b><br>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<br>ProTac™ III MT13H221A (headband) = 355g<br>ProTac™ III Slim MT13H220P3E (helmet attachment) = 322g<br>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 Zealand

### MT13H220A 3M™ PELTOR™ ProTac™ III Slim Headset

AS/NZS 1270:2002

| Test Frequency (Hz)   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 | SLC <sub>80</sub> | 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 <sub>80</sub> | 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         | 13.9 | 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 <sub>80</sub> | 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 <sub>80</sub> | 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).



**3M Personal Safety Division**  
3M Svenska AB, Box 2341  
SE-331 02 Värnamo  
Sweden  
Internet: [www.3M.com/PELTOR](http://www.3M.com/PELTOR)

Please recycle. Printed in Sweden.  
© 3M 2016. All rights reserved.  
3M and ProTac are trademarks of 3M Company, used under license in Canada. PELTOR is a trademark of 3M Svenska AB, used under license in Canada.

#### 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.