3M™ Peltor™ Technical Datasheet

3M™ Peltor™ WS™ ProTac XP

MT15H7*WS5**

Product description

The **Peltor™ WS™ ProTac XP** is an active-hearing hearing protector that features Bluetooth® technology.
The Bluetooth function enables work with both hands free while taking calls via DECT- or mobile phones. The ambient listening function lets the user hear surrounding noise and converse with colleagues. The headset provides effective noise attenuation when sound level is high.

Article number	Description	3M ID number
MT15H7AWS5	WS ProTac XP headband	XH001680012
MT15H7P3EWS5	WS ProTac XP helmet attachment	XH001680004
MT15H7BWS5	WS ProTac XP neckband	XH001680335
MT15H7AWS5-77	WS ProTac XP headband FLEX connector	XH001679998
MT15H7P3EWS5-77	WS ProTac XP helmet attachment FLEX connector	XH001680269

Key Features:

- DSP (Digital Noise Reduction)
- Supports Bluetooth A2DP profile for streaming high quality stereo sound
- Advanced VOX (Voice Operated Transmit)

Application:

The Peltor™ WS™ ProTac XP offers wireless communication in noisy environments. Suitable for work in most segments, for example industry, construction and carpentry.

Accessories:

Article number	Description	3M ID number
ACK051	Rechargeable battery	XH001678610
FR05	Charger	XH001655469
M60/2	Wind shield	XH001652532
HYM1000	Hygiene tape for boom mic	XH001651328
HY79	Hygiene kit	XH001651047

Testing and Approval:

MT15H7*WS5* is in conformity with the provisions set out in the PPE directive 89/686/EEC and the R&TTE directive 1999/5/EC. Thereby it fullfils the requirements for CE marking.
The product has been tested and approved in accordance with EN 352-1:2002, EN352-3:2002, EN352-4:2001, EN352- 6:2002, EN 60950-1:2006 +A1:2010 + A11:2009 + A12:2011, EN300 328 V1.7.1, EN 301 489-1 V1.8.1, EN 301 489-17 V2.1.1

The product has been examined by
Combitech AB, Kungsörsvägen 68, SE-732 81 Arboga, Sweden, Notified body #1914
Phoenix Testlab GmbH, Königswinkel 10, D-32825 Blomberg, Germany, Notified body #0700

Technical Data Specifications:

Power: 2xAA NiMH or alkaline batteries, 2,4-3 V
Battery life time: Surround + Bluetooth (active) <24h , Surround only + Bluetooth off <150h
Bluetooth: This product supports Bluetooth version 2.1 headset, handsfree and A2DP profiles.
Other functions:

- The last settings are stored when the headset is switched off.
- Low battery level is indicated by a voice message: “low battery”
- Digital noise reduction on the boom microphone.

Weight: Headband version 396 g, neckband version 386 g, helmet attachment version 421 g
Materials: Headband: Stainless steel with PVC covered head cushion, Cups: ABS
Storage: Recommended storage conditions: -20º C - +55º C, <90% humidity
Recommended maximum shelf life: 5 years except the batteries: <1 year
Use limitation: Never modify or alter this product

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

Attenuation:

MT15H7AWS5**

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	19,2	17,4	24,0	31,9	34,4	35,1	37,0	35,1
Std deviation (dB)	4,0	2,8	2,9	3,0	2,6	4,3	4,0	3,2
APV (84%)*	15,2	14,5	21,1	28,9	31,9	30,8	33,1	32,0

* Assumed Protection Value (dB)

SNR=31 db H=32 db M=29 db L=22 db

MT15H7P3EWS5**

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	17,2	18,6	23,2	30,8	35,4	35,5	37,0	34,2
Std deviation (dB)	3,8	2,7	2,7	4,4	2,5	4,2	3,2	3,7
APV (84%)*	13,4	15,9	20,4	26,3	32,9	31,2	33,8	30,5

* Assumed Protection Value (dB)

SNR=31 db H=32 db M=29 db L=22 db

MT15H7BWS5**

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation (dB)	17,0	15,6	21,8	30,8	32,7	33,6	36,4	34,9
Std deviation (dB)	3,8	3,8	3,5	2,9	2,9	2,5	3,3	2,4
APV (84%)*	13,2	11,8	18,2	27,9	29,8	31,1	33,1	32,4

* Assumed Protection Value (dB)

SNR=30 db H=32 db M=27 db L=19 db

Important Notice:
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3M Personal Safety Division
3M Svenska AB, Box 2341
SE-331 02 Värnamo
Sweden
Phone: +46 (0) 370 65 65 65
Fax: +46 (0) 370 65 65 99
Email: peltorcommunications@mmm.com
Internet: www.3M.com/Peltorcomms

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