

Technical Datasheet

Draft



PELTOR™

3M™ PELTOR™ WS™ ProTac XP

MT15H7*WS5-50

Product description

The 3M™ 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 2-way radio or mobile phones. The ambient listening function lets the user hear ambient sounds and converse with colleagues. The headset provides effective noise attenuation.

Article number	Description	3M ID number
MT15H7FWS5-50	WS ProTac XP headband	XH001679980
MT15H7P3EWS5-50	WS ProTac XP helmet attachment	XH001680020
MT15H7BWS5-50	WS ProTac XP neckband	XH001680038

Key Features:

- DSP supported Digital Noise Reduction on Boom microphone sound
- Supports Bluetooth A2DP profile for streaming high quality stereo sound
- Advanced VOX (Voice Operated Transmit) for increased high noise functionality

Application:

The 3M™ 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
M60/2	Wind shield	XH001652532
HYM1000	Hygiene tape for boom mic	XH001651328
HY79	Hygiene kit	XH001651047
FL6BA	Cable for Adaptor PTT	XH001679956



Testing and Approval:

3M™ PELTOR™ WS™ ProTac XP is in conformity with the provisions set out in the PPE directive 89/686/EEC and the R&TTE directive 1999/5/EC and the RoHS directive 2011/65/EU. Thereby it fulfills the requirements for CE marking.

The product has been tested and approved in accordance with EN352-1:2002 / EN352-3:2002, EN352-4:2001 +A1:2005, EN352- 6:2002, EN 60950-1:2006 +A1:2010 + A11:2009 + A12:2011 +AC: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, Änkhusgatan 9, Box 1017, SE551 11 Jönköping, Sweden, Notified body #2279

Phoenix Testlab GmbH, Königswinkel 10, D-32825 Blomberg, Germany, Notified body #0700
SP, Technical Research Institute of Sweden, Box 857, SE-501 15 Borås, Sweden Notified Body #0402

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I M1 Ex Ia IMA

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Technical Data Specifications:

Power: 2xAA NiMH Energizer Industrial EN91, Panasonic Evolta or Duracell Procell MN1500.
 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.

Materials:

Headband: Stainless steel, TPE

Cups: ABS

Storage: Recommended storage conditions: -20° C - +55° 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:

MT15H7FWS5**

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:

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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