

3M™ Peltor™ Technical Datasheet



PELTOR™

3M™ Peltor™ WS™ Headset XP MT53H7*WS5

Product description

The Peltor™ WS™ Headset XP features Bluetooth® technology. The Bluetooth function enables work with both hands free while taking calls via DECT- or mobile phones. The headset provides effective noise attenuation when sound level is very high.

Article number	Description	3M ID number
MT53H7AWS5	WS Headset XP headband	XH001680053
MT53H7P3EWS5	WS Headset XP helmet attachment	XH001680046
MT53H7BWS5	WS Headset XP neckband	XH001680061

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™ Headset 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
HYM1000	Hygiene tape for boom mic	XH001651328
HY79	Hygiene kit	XH001651047

Testing and Approval:

MT53H7*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 fulfills the requirements for CE marking.

The product has been tested and approved in accordance with EN 352-1:2002, EN352-3:2002, 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



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Technical Data Specifications:

Power: 2xAA NiMH or alkaline batteries, 1,2-1,5 V

Battery life time: Operating time: 24 h, standby time: 150 h

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 368 g, neckband version 358 g, helmet attachment version 393 g

Materials: Headband: Stainless steel with PVC covered head cushion, 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

MT53H7AWS5

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

MT53H7P3EWS5

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

MT53H7BWS5

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