3M[™] Peltor[™] Technical Datasheet



PELTOR

3M[™] Peltor[™] ComTac[™] XP Headset

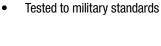
MT17H682**-**

Product desription

The 3M[™] Peltor[™] ComTac[™] XP is designed to help reduce exposure to hazardous levels of noise, improve situational awareness and at the same time enable two-way radio communication in noisy environments.

Key Features:

- · Designed for comfortable use with a ballistic helmet
- Hearing protection
- Detachable microphone
- Level dependent function for situational awareness
- Easy to use and operate, "plug and play", no start up time
- Foldable for easy storage and transport
- Configuration menu (hidden)
- Functions: release time, balance, external mute mode, EQ mode, plug mode (maintains situational awareness when used in combination with earplugs)
- SNR 39 dB when combined with earplugs
- Automatic switch off after two hours if no function is used
- No software loads or outside power required, complete selfcontained headset with power fail safe



Combat proven

- (A:1) Headband wire
- (A:2) Headband
- (A:3) Headband padding
- (A:4) Microphone for level dep. function
- (A:5) Battery cover
- (A:6) On/off and volume +/- control
- (A:7) Speech microphone
- (A:8) 2 x AAA batteries





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Applications

Peltor ComTac XP is designed to be used by infantry soldiers and emergency response units within law enforcement.

Standards and Approval:

PPE directive 89/686/EEC EMC directive 89/336/EEC MIL-STD-810F EMC-MIL-STD-461F

In the Box:

1 x ComTac XP

1 x User manual

2 x AAA batteries

Technical Data Specifications:

Power: Battery Type: 2 x AAA 1,2-1,5V batteries

Operating time: ~ 500h (battery & temperature dependent)

Net Weight: 335g (inc. batteries)

Operating temperature: -40 °C to +55 °C (battery dependent)

Storage Temperature: -50 °C to +70 °C

Attenuation

MT17H682FB**-**

| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|----|------|------|------|------|------|------|------|
| Mean attenuation (dB) | | 11.5 | 17.9 | 27.8 | 30.0 | 32.1 | 36.2 | 40.3 |
| Std deviation (dB) | | 2.5 | 2.7 | 1.8 | 2.3 | 3.0 | 2.0 | 3.1 |
| Assumed Protection Value (dB) | | 9.0 | 15.3 | 25.9 | 27.7 | 29.1 | 34.2 | 37.2 |

SNR=28 db H=31 db M=25 db L=16 db

MT17H682FB-** in combination with 3M EAR Classic earplug

| Frequency (Hz) | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|-------------------------------|------|------|------|------|------|------|------|------|
| Mean attenuation (dB) | 33,6 | 35,5 | 40,8 | 51,4 | 44,7 | 37,0 | 48,1 | 44,8 |
| Std deviation (dB) | 4,4 | 5,8 | 5,0 | 6,6 | 4,8 | 3,6 | 4,9 | 4,8 |
| Assumed Protection Value (dB) | 29,1 | 29,7 | 35,8 | 44,9 | 40,0 | 33,5 | 43,3 | 40,0 |

SNR=39 db H=36 db M=38 db L=36 db

Versions:

"NATO wired" J11 versions, for use with adapter*:

| Description | | 3M art. no. | EAN/UPC | Colour |
|------------------|------------------------------|-------------|---------------|-------------|
| MT17H682FB-86 | J11, headband | XH001678107 | 7318640055957 | Olive Green |
| MT17H682FB-86 SV | J11, headband | XH001678115 | 7318640055964 | Black |
| MT17H682BB-86 | J11, Neckband | XH001678123 | 7318640055971 | Olive Green |
| MT17H682BB-86 SV | J11, Neckband | XH001678131 | 7318640055988 | Black |
| MT17H682P3AD-86 | J11, helmet att OPS-core | XH001678222 | 7318640056060 | Olive Green |
| MT17H682FB-87 | J11, headband,goose neck mic | XH001678149 | 7318640055995 | Olive Green |
| MT17H682FB-87 SV | J11, headband,goose neck mic | XH001678156 | 7318640056008 | Black |
| MT17H682FB-19B | J11, headband, dual comm. | XH001674064 | 7318640052222 | Olive Green |

tions depending on how it is programmed. Users are advised to connect headset to actual radio and configuration being used, in order to test functions and features before purchase.

* Modern military communication radios can have different configura-

Direct lead bone conduction mic . versions*:

| Description | | 3M art. no. | EAN/UPC | Colour |
|------------------|-------------------------------------|-------------|---------------|-------------|
| MT17H682FB-69 | Marconi PRR , bone conduction mic | XH001660634 | 7318640048553 | Olive Green |
| MT17H682FB-T5187 | Motorola GP328, bone conduction mic | XH001660659 | 7318640049529 | Olive Green |
| MT17H682FB-72 | Harris 7800, bone conduction mic | | | |

Accessories and Spare parts:

| Description | on | 3M art. no. | EAN |
|-------------|---|-------------|---------------|
| 1079 SV | Battery lid | 11003065544 | 93045933242 |
| HY68 | Hygiene kit (attenuation cushions & foam) | XH001652482 | 7318640025615 |
| HY68-02 | Hygiene kit (attenuation cushions & foam) for bone mic headsets | XH001667639 | 7318640049048 |
| MT7N | Microphone, dynamic | XL001634044 | 7318640061484 |
| MT21E | Goose neck dynamic mic | XL001650263 | |
| MT90-02 | Throat mic, dynamic | XL001644068 | 4046719397938 |
| MT90-03 | Throat mic. electrets | XL001644076 | 4046719397914 |

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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.



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