



## PRODUKTBLAD

Datum  
2003-11-13

FMV beteckning  
LedBaT 402/03

Sida 1 (5)

Er referens

Ert datum

Er beteckning

FMV tjänsteställe, handläggare  
Ledcent, Folke Holmgren

FMV föreg. datum

FMV föreg. beteckning

### Produktblad ComTac

Detta dokument innehåller ett produktblad över Försvarmaktens headset av typ Hörselskydd ComTac med mikrofon, M7343-222110.

#### **Försvarets materielverk**

**PELTOR**<sup>®</sup>

# Peltor ComTac

Listens to what you  
want to hear



# Peltor ComTac – improves communication and safety

*Being able to communicate with your surroundings whilst at the same time being protected from harmful noise levels is a vital necessity in the military, both for exercises and battle situations. Noise levels are often so high that they can cause immediate, permanent damage to your hearing if protection is not worn. At the same time, communication is a must. Orders and information must be heard, both*

*over the radio and directly person to person.*

*The Peltor ComTac is designed for just these conditions. The ComTac is also specially designed to be worn comfortably under a helmet, be used with different kinds of weapons without being in the way, and at the same time protect effectively against harmful noise levels.*



*The ComTac is a “hearing” hearing protector; it picks up and amplifies ambient sounds. A radio can be connected to an audio input for external communication and a microphone arm can be attached for complete headset function.*

## **A “hearing” hearing protector**

The Peltor ComTac is an active-volume hearing protector, which means that it lets you hear ambient sounds. The conveniently located volume control lets you adjust amplification so that you can hear soft sounds much better than you could without the hearing protector. Two microphones pick up ambient noises and reproduce them in stereo so you can hear from which direction the noise is coming from.

Any sudden impulse noise that exceeds harmful levels is immediately attenuated. An electronic valve detects the noise level and attenuates it to a harmless level. When the noise fades, ComTac returns instantly to its listening function.

## **Reliable communication**

The standard model Peltor ComTac is equipped with an audio input for connecting an external radio. The systems for external communication and active volume work independently of one another, which provides extra high reliability and increased

safety. Even if the ComTac is switched off, it can receive external radio signals. A microphone arm can be mounted and connected with a simple manoeuvre, making the ComTac a complete headset for two-way communication.

## **Highest possible comfort and convenience**

The Peltor ComTac is carefully designed for the soldier's environment and to be worn all day without inconveniencing the wearer. The cups are designed to fit under a helmet and to be used with different types of weapons without being in the way. The controls are well protected, yet easily accessible, even with gloves on.

Peltor's well-known concept of individually sprung steel bands ensures an ideal pressure around the entire ear, guaranteeing excellent attenuation properties and high comfort. The headband is leather covered and collapsible for comfort and easy storage.

# Sharpens your senses when it matters most

We all know that a soldier's senses have to be sharp to enable him to perform his missions successfully. Hearing is as critical as vision in both darkness and daylight. He needs to be able to hear incoming radio signals without the risk of revealing his location, he needs to be able to hear and locate a snapping twig or a whispering comrade, and be able to communicate unhindered over the radio, even in a deafening battle...

All of these are situations where hearing is critical to success. In battle, on reconnaissance missions or at your post, Peltor ComTac sharpens your hearing.

## ComTac data

### FUNCTIONS

- Active-volume function in stereo.
- Last setting is stored when switched off.
- Automatically switches off after two hours if no function is used. Two signals are emitted as a warning that the ComTac will switch off in one minute if no function is activated.
- Battery life is about 250 hours. Three warning signals are emitted every 30 seconds for five minutes when power is low, then the headset switches off.
- Polarity protection of the circuit if the batteries are inserted backwards.

- When the active-volume function is on, it is attenuated about 30 dB when an external signal comes in through the audio input.
- All models are equipped with an audio input via a J22 jack to allow connection to an external radio. External signals are also audible when the batteries are dead and when the Peltor ComTac is switched off.
- Weight 315 g.

### Attenuation values

Attenuation values for the Peltor ComTac. Tested and approved according to European standard EN 352-4 and applicable parts of EN 352-1.

Model	Frequency <sup>2</sup>	125	250	500	1000	2000	4000	8000	H	M	L	SNR
<b>ComTac</b>	Mean att. <sup>3</sup>	10.7	15.8	24.7	29.4	28.2	40.6	41.6				
<b>MT15H68FB</b>	Stand. dev. <sup>4</sup>	3.8	3.7	2.6	3.7	3.7	2.8	5.2	28 dB	22 dB	14 dB	25 dB
315gr/10.6oz <sup>1</sup>	APV <sup>5</sup>	6.9	12.1	22.1	25.7	24.5	37.8	36.4				

### SPARE PARTS/ACCESSORIES

#### Hygiene kit – HY6B

Easily replaceable hygiene kit consisting of two attenuating cushions and snap-in sealing rings.

#### Clean single-use protectors – HY100

A single-use protector that is easy to apply to the sealing rings. Packages of 100 pairs.

#### Wind protector – M60/2 for ambient-noise microphones

Effective against wind noise. One pair of protectors per package.

#### Battery compartment – 1162 SV

#### Connection cables for audio input

A wide range of connecting cables for the most common radio systems

#### Headset kit – MT7-FL6AB

Dynamic boom microphone complete with holder and cord. **Contents:** MT7 – Microphone. A44 – Guide FL6AB – Microphone cord. The microphone connects via a branch cord to the audio input on the cup and an external radio.

#### Throat microphone – MT9

Dynamic throat microphone to wear around the neck. The microphone connects via a branch cord to the audio input on the cup and an external radio.



# The Peltor ComTac – Specially designed for military needs

The Peltor ComTac is a “hearing” communication headset, specially designed to be worn comfortably under a helmet and to be used with different types of weapons to provide excellent protection against harmful noise levels.

**1. Extra wide, collapsible headband** with soft leather padding for the utmost comfort even during long periods of use.

**2. Specially designed cups** to be worn under a helmet and used with different kinds of weapons and sights.

**3. Individually sprung bands** of stainless sprung steel provide an even distribution of pressure around the ears.

**4. Low, two-point fasteners** and easy height adjustment with no protruding parts.

**5. Soft, broad sealing rings** with built-in pressure-easing channels provide low pressure, effective sealing and individual comfort.



**6. Audio input for connection** to a com radio or telephone.

**7. Battery cover** for easy battery replacement (two alkaline AA 1.5 V batteries included).

**8. Microphones.** Pick up and amplify ambient sounds up to a specified maximum level.

**9. On/Off and volume control** are digitally controlled with two easily accessible, well protected buttons on the right cup.

**10. Dynamic boom microphone** is easy to install for complete headset function.

## World leader in hearing protection and communication in noisy environments

Peltor manufacture a complete range of hearing protection and communication products for anyone having to spend time in noisy environments. Our ambition is to provide the best possible comfort, security and safety while improving work satisfaction.

Peltor's products are carefully designed to fit the most varied environments, both outdoors and in. At the same time, the broad product range allows for people's different percep-

tions of comfort and varying needs to be able to hear and speak. Our product development is based on over 40 years of research and collective knowledge from our own experience and that of end users.

This strength has made us world leaders in hearing protection and communication for the military, manufacturing industries, aviation, motor sports, forestry and agriculture.

Peltor is part of the Aearo company, who are world leaders in personal safety equipment.

Aearo's other products are sold in Europe under the following brand names:

AO Safety a leading name in safety eyewear and facial protection.

E·A·R renowned throughout the world for an extensive range of hearing protectors, amongst which is the E·A·R Classic earplugs.

**PELTOR**<sup>®</sup>

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