

# Technical data sheet



Product: PELTOR WS LiteCom

Manufacturer: 3M DEUTSCHLAND GMBH

Product group: ARBEITSSCHUTZ

Article group: GEHÖRSCHUTZ

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**3M™ PELTOR™ WS™ LITECOM PRO III GB**

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Bluetooth® technology for connection to one external device for hands free talk and streaming	Digital two way radio according to DMR standard.	External jack for communicating with external communication devices	Bluetooth® MultiPoint technology for connection to one or two external devices for hands-free talk and streaming	Hearing protection with built-in two-way radio	Level-dependent function for ambient listening to help improve auditory situational awareness

## Applications

The 3M™ PELTOR™ WS™ LiteCom Pro III High Visibility Headset offers wireless communication in noisy environments. Suitable for work in industrial, construction and ground handling applications, where hands-free communication and hearing protection are needed.

## Standards and Approvals

Hereby, 3M Svenska AB declares that the product is in compliance with appropriate directives or regulations to fulfill the requirements for the CE marking.

The full text of the EU declaration of conformity is available at the following internet address: [www.3M.com/PELTOR/DOC](http://www.3M.com/PELTOR/DOC). A copy of the declaration of conformity and additional information required in the directives or regulations can also be obtained by contacting 3M in the country of purchase.

## Models

**Table 1: LiteCom Pro III GB Headset Models**

Article Number	Description	3M ID	SAP ID
MT73H7A4D10EU GB	3M™ PELTOR™ WS™ LiteCom Pro III GB Headset, Preprogrammed Analog/Digital, EU version, Headband	UU009283811	7100153423
MT73H7P3E4D10EU GB	3M™ PELTOR™ WS™ LiteCom Pro III GB Headset, Preprogrammed Analog/Digital, EU version, Helmet attach	UU009283829	7100153479
MT73H7B4D10EU GB	3M™ PELTOR™ WS™ LiteCom Pro III GB Headset, Preprogrammed Analog/Digital, EU version, Neckband	UU009283837	7100153481

## Accessories and Spare Parts

Article Number	Description	3M ID Number	SAP ID Number
MT9-02	3M™ PELTOR™ Throat microphone for WS™ LiteCom Pro III Headset	UU013773062	7100379897

Article Number	Description	3M ID Number	SAP ID Number
ACK081B	3M™ PELTOR™ Rechargeable Li-Ion battery pack (only for WS™ LiteCom Pro III, Non Ex)	UU013044324	7100330766
AL2AI/SP	3M™ PELTOR™ Charge cable for ACK081/ACK081B	UU004895189	7100088372
FR08	3M™ PELTOR™ Power Supply for AL2AI	XH001680194	7000108521
FL4602-50	3M™ PELTOR™ External PTT for WS™ LiteCom Pro III Headset	UU013659022	7100373570
M60/2	3M™ PELTOR™ Wind shield for surround mic	XH001652532	7000039650
HY83	3M™ PELTOR™ Hygiene kit	UU008197921	7100113964
HYM1000	3M™ PELTOR™ Hygiene tape for boom mic, black	XH001651328	7100064281
M171/2	3M™ PELTOR™ Wind protector for mic, 2 pcs	UU008159483	7100112112
FL6BR	3M™ PELTOR™ Connecting cable for external PTT Adapter	XH001652029	7100016085
MT7V/1	3M™ PELTOR™ Connecting cable for external PTT Adapter Dynamic mic for Versaflo™ M300 Series	UU008014308	7100099097

## Technical Data Specifications

### Model Weight (with ACK081B)

- **Headband:** 490g
- **Folding headband:** 521 g
- **Helmet attachment:** 512 g
- **Neckband:** 475 g

### Built-in Two-way Radio

- **Frequency range:** PMR 446 MHz
- **Operation mode:** Half-duplex
- **Channels:** 16 pre-programmed channels (Analog PMR); 16 pre-programmed channels (Digital PMR)
- **Channel spacing:** 12,5 kHz
- **Modulation:** Analog: FM; Digital: TDMA
- **Microphone type:** Dynamic (MT73)
- **Receiver sensitivity:** Typical -120 dBm
- **Privacy codes (subchannel):** 121 codes (CTCSS 38, DCS 83)
- **Output power:** 200 / 20 / 10 mW ERP
- **Range:** Outdoors up to 2 km depending on conditions
- **Operating temperature:** -20°C to +50°C

### Power

- **Li-Ion battery:** ACK081B included in delivery
- **Charging time:** approx. 4 hours
- **Capacity:** 3.7 V, 2150 mAh, 8 Wh

- **Operating time:** up to 13 hours\* 80 standby / 10tx / 10 rx

\*up to 17 hours with the power save feature activated

### Storage

- **Recommended storage conditions:** -20°C to 40°C, <90% humidity
- **Maximum product lifetime:** 5 years except the batteries, <1 year

**User limitation:** Never modify or alter this product.

### In the Box

1 x 3M™ PELTOR™ WS™ LiteCom Pro III GB Headset

1 x Battery (ACK081B)

1 x Hygiene kit HY83

1 x User Instruction

### Laboratory Noise Attenuation Standard EN 352-1:2020 and EN 352-3:2020

**Table 2: MT73H7A4D10EU GB**

EN352-1:2020											
f(Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Attenuation (dB)	19.3	25.0	34.8	37.4	36.1	40.4	36.4	37.1	33.7	26.4	35.1
Standard deviation (dB)	2.5	1.9	2.6	3.5	3.7	2.4	4.0	3.0	1.5	1.4	1.7
Assumed Protection Value (dB)	16.8	23.1	32.2	33.9	32.4	38.0	32.4	34	32	25	33

**Table 3: MT73H7F4D10EU-50**

EN352-1:2020											
f(Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Attenuation (dB)	18.6	24.3	33.6	36.8	35.5	39.4	35.5	36.4	32.9	25.7	34.4
Standard deviation (dB)	2.9	2.4	2.4	3.4	2.9	2.5	3.4	2.3	1.5	2.1	1.5
Assumed Protection Value (dB)	15.7	21.9	31.2	33.4	32.6	36.9	32.1	34	31	24	33

**Table 4: MT73H7F4D10EU-50 GB**

EN352-1:2020											
f(Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Attenuation (dB)	17.7	23.9	32.5	36.2	35.6	39.5	37.1	36.9	32.4	25.0	34.2
Standard deviation (dB)	2.8	3.1	3.9	3.1	2.5	2.9	2.3	2.3	2.3	2.6	2.1
Assumed Protection Value (dB)	14.9	20.8	28.6	33.1	33.1	36.6	34.8	35	30	22	32

**Table 5: MT73H7P3E4D10EU GB**

EN352-3:2020											
f(Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Attenuation (dB)	18.6	24.3	33.6	36.8	34.2	40.2	34.5	35.6	31.9	24.8	33.4
Standard deviation (dB)	2.9	2.4	2.4	3.4	1.9	2.5	4.6	2.3	1.6	2.0	1.6
Assumed Protection Value (dB)	15.7	21.9	31.2	33.4	32.3	37.7	29.9	33	30	23	32

 **WARNING**

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations for guidance on how to adjust attenuation label values. In the absence of applicable regulations, it is recommended that the SNR be reduced to better estimate typical protection.

 **IMPORTANT**

The 3M™ PELTOR™ WS™ LiteCom Pro III GB High Visibility Headset operates on radio communication frequencies that may be subject to end-user licensing by local government agencies. The user is responsible for contacting the local government agency and obtaining any necessary licences prior to using the two-way communication radio.

## Warranty and Important Notice

### 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.

### Important Notice

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