



PELTOR™



3M™ PELTOR™ WS™ LiteCom Pro III IS Headset

# Stay protected and connected.

Connection in the workplace matters, and important calls are never out of reach with Bluetooth® multipoint connectivity. Level dependent functionality helps workers stay both protected and aware with the ability to communicate face to face while never removing their hearing protection. Plus, the programmable analog and digital two-way radio enables headset-to-headset communications that integrates seamlessly into your existing two-way radio system. It is certified by CSA Group as intrinsically safe for use in potentially explosive environments. All of this technology is combined with the professional-grade durability and all day wear ability you've grown to expect from 3M™ PELTOR™ products.



3M™ PELTOR™ WS™ LiteCom Pro III IS Headset



Hearing protection with built in digital/analog two-way radio.



Environmental listening with level-dependent hearing protection.



Built-in Bluetooth® Technology.



3M Science. Applied to Life.™

# Smart solutions, easy communication.

3M™ PELTOR™ WS™ LiteCom Pro III IS intrinsically safe headset is a hearing protector with a built-in analog and digital programmable two-way communication radio, environmental listening with level-dependent hearing protection, and Bluetooth® connectivity. It is certified by CSA Group as intrinsically safe for use in potentially explosive environments.



#### Comfort options

Headset is available in both headband, neckband and hard hat attached configurations.

#### Built-in programmable analog and digital two-way communication radio

Headset-to-headset communication with ability to be integrated with similar professional radio communication systems. Up to 70 programmable radio channels.



#### Bluetooth® connectivity

Multipoint, for simultaneous, seamless connection to external devices using Bluetooth® Technology.

#### User-friendly controls

with voice guided menu.

#### Noise canceling, water and dust proof speech microphone (IP67)

Helps provide clear communication in noisy and demanding environments.

#### Lightweight design

without cords to become tangled.

#### Keep headset in proper working order

with replacement cushions and foam liners (hygiene kit available separately).



#### Intrinsically safe design

#### Stainless steel wire headband

Offers comfortable and consistent pressure.

#### Rugged design

Helps protect electronics from moisture.

#### Hearing protection

Noise attenuating ear cups help provide hearing protection in environments with potentially hazardous noise.

#### Batteries

Provide approximately 8 hours of continued use that can be increased to 12 hours with the power save feature. Headset powers off after 2 hours of non-use to conserve batteries. Audio alert when battery is low.

#### Level dependent microphone

Environmental microphones for level-dependent hearing protection and ambient listening.

#### Full one-year product warranty

#### Voice operated transmission

Voice operated transmission (VOX) for hands free operation in high noise environments.



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## Key Features

- ▶ Built-in programmable two-way communication radio allows hands-free headset-to-headset communication without cumbersome cables or cords.
- ▶ The headset can be programmed to use up to 70 unique two-way radio channels using analog and/or DMR digital modulation.
- ▶ Certified by CSA Group as intrinsically safe for use in potentially explosive environments.
- ▶ Easily integrates into similar professional radio communication systems.
- ▶ Designed by 3M PELTOR and built tough for the working professional.



## Headset Models

Product Number	UPC #	Description	3M ID #
MT73H7F4D10NA-50	7100099585	WS™ LiteCom Pro III IS Headset, Headband	UU008027813
MT73H7P3E4D10NA-50	7100099785	WS™ LiteCom Pro III IS Headset, Hard Hat-Attached	UU008027821
MT73H7B4D10NA-50	7100099584	WS™ LiteCom Pro III IS Headset, Neckband	UU008027599



MT73H7F4D10NA-50 MT73H7P3E4D10NA-50 MT73H7B4D10NA-50

## Articles & Accessories

Product Number	UPC #	Description	3M ID #
MT90-02	7000040037	Throat microphone for WS™ LiteCom Pro III Headsets, IS	XL001644068
ACK082	7100112102	Rechargeable Li-Ion batterypack (only for WS™ LiteCom Pro III IS Headset)	UU008176040
AL2AH	7100067410	Charge cable for ACK082	11003072094
FR08	7000108521	Power Supply for AL2AH	XH001680194
FL5602-50	7000039666	External PTT for WS™ LiteCom Pro III IS Headset	XH001654579
M60/2	7000039650	Wind shield for level dependent mic	XH001652532
HY83	7100113946	Hygiene kit	UU008197921
HYM1000	7100064281	Hygiene tape for boom mic	XH001651328
M171/2	7100112112	Wind protector for mic, 2 pcs	UU008159483



MT90-02 ACK082 AL2AH  
FR08 FL5602-50 HYM1000  
M60/2 HY83 M171/2

# Technical data specifications

## Technical data specifications

Model	Weight (with ACK082)
Headband:	521 g
Hard hat-attached:	512 g
Neckband:	475 g

### Built-in Two-way Radio

Frequency range:	403 – 470 MHz
Operation mode:	Simplex
Channels:	70 programmable channels
Channel raster:	3.125 kHz
Channel separation:	12.5 kHz and 25 kHz
Modulation:	Analog: 2.5 kHz (FM) and 5 kHz (FM) Digital: 2.5 kHz (4-level FSK)
Microphone type:	Dynamic (MT73)
Receiver sensibility:	Typical -120 dBm
Selective squelch:	Programmable (supports CTCSS and DCS)
Output power:	200 / 20 / 10 mW ER
Range:	Outdoors up to 1.25 Miles depending on conditions
Operating temperature:	-4°F (-20°C) to +122°F (+50°C)

### Power

Li-Ion battery:	ACK082, included in delivery
Charging time:	approx. 12 hours
Capacity:	3.7 V, 1350 mA, 5 Wh

### Storage

Recommended storage conditions:	-20° C - +55° C, <90% humidity
Recommended max. shelf life:	Headset: 3 years Battery: 1 year

**Use limitation:** Never modify or alter this product

## Laboratory Attenuation (ANSI S3.19-1974)

MT73H7F4D10NA-50											ANSI S3.19-1974	
Test Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR*	CSA Class	
Mean Attenuation (dB)	21.2	23.7	34.3	36.6	37.4	39.6	36.9	37.9	39.2	27	AL	
Standard Deviation (dB)	3.3	2.7	2.4	2.8	2.8	3.6	2.9	2.1	3.3			

MT73H7B4D10NA-50											ANSI S3.19-1974	
Test Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR*	CSA Class	
Mean Attenuation (dB)	20.9	23.6	33.8	37.3	36.8	39.4	39.0	37.7	38.9	28	AL	
Standard Deviation (dB)	3.1	2.0	2.2	2.4	2.7	3.1	2.4	1.8	2.9			

MT73H7P3E4D10NA											ANSI S3.19-1974	
Test Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR*	CSA Class	
Mean Attenuation (dB)	19.0	21.9	30.4	35.9	36.1	37.3	37.2	34.7	34.8	25	A	
Standard Deviation (dB)	2.1	2.4	3.1	3.5	3.0	3.5	3.3	3.2	3.3			

\* WARNING! 3M™ strongly recommends individual fit testing of hearing protectors. If the NRR is used to estimate typical workplace protection, 3M recommends that the noise reduction value be reduced by 50% or in accordance with applicable regulations.

## Intrinsically Safe\*

MT73H7\*4D10NA-50 headsets are CSA approved for use in potentially explosive environments.

CSA 17.70112567

Certified by CSA Group as intrinsically safe for use in hazardous locations.\*

Ex ia IIC T4 Ga, Cl I, Zn 0, -20°C ≤ Ta ≤ +50°C (Canada)

AEx ia IIC T4 Ga, Cl I, Zn 0, -20°C ≤ Ta ≤ +50°C (United States)

Class I, Division 1, Groups A, B, C & D; Class II Division 1, Groups E, F & G;

Class III, Division 1; Temperature Code T4

\* WARNING! Ensure that the 3M™ PELTOR™ WS™ LiteCom Pro III Headset and any intrinsically safe accessories are only used and stored in the classified areas consistent with the marked equipment ratings.

3M Personal Safety Division products are for occupational use only.

### 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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