



Headset

LiteCom PRO III Ex Helmet 403-470 MHz

- Programmable analog/digital DMR two-way radio communication
- Bluetooth® multipoint functionality
- Water tight microphone (IP68)
- Environmental listening with level-dependent hearing protection
- Voice menu with multiple language selection
- Push-to-Listen function
- Rechargeable Li-Ion battery and battery status indication
- Voice operated transmission (VOX)
- Busy channel indication
- Auto power off function
- ATEX and IECEx approvals

3M™ PELTOR™ WS™ LiteCom Pro III Ex Headset, 403-470 MHz, Analog/Digital, Ex, EU version, Helmet



Function

The 3M™ PELTOR™ WS™ LiteCom Pro III Ex Headset is the next generation protective communication solution. With an integrated, programmable analog/digital two-way radio, Bluetooth® Multipoint connectivity, noise-cancelling speech microphone, and level-dependent function for ambient listening, the 3M™ WS™ LiteCom Pro III Ex Headset not only helps protect you against potentially hazardous noise, but also makes it easy to communicate in noisy environments and helps you maintain situational awareness.

Technical Data

General specifications

Description Helmet Mount

Hardware

Microphone Dynamic (MT73)

Two-way radio

Frequency range 403 ... 470 MHz

Operating mode Simplex

Channels 70 programmable channels

Channel grid 12,5 kHz and 25 kHz

Modulation Analog: 2,5 kHz (FM) and 5 kHz (FM)
Digital: 2,5 kHz (4-level FSK)

Sensitivity (Receiver) Typical -120 dBm

Selective squelch Programmable (supports CTCSS and DCS)

Power Output 200 / 20 / 10 mW ER

Detection range Outdoors up to 2 km depending on conditions

Electrical specifications

Battery type Li-ion 3.7 V , 1350 mAh , 5 Wh

Charging time approx. 12 h

Operating duration 8 h * (90 stby / 5 tx / 5 rx)
* can be increased up to 12 hours with the power save feature

Ambient conditions

Operating temperature -20 ... 50 °C (-4 ... 122 °F)

Storage temperature -20 ... 55 °C (-4 ... 131 °F)
< 90 % Humidity












Mechanical specifications

Mass 512 g

Technical Data

Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	Presafe 16ATEX8960X
ATEX marking	I M1 Ex ia I Ma -20°C ≤ Ta: ≤ +50°C II 1G Ex ia IIC T4 Ga -20°C ≤ Ta ≤ +50°C Ga II 1D Ex ia IIIC T130°C Da -20°C ≤ Ta ≤ +50°C
International approvals	
IECEX approval	
IECEX certificate	Presafe 16.0086X
IECEX marking	Ex ia I Ma -20°C ≤ Ta: ≤ +50°C Ex ia IIC T4 Ga -20°C ≤ Ta ≤ +50°C Ex ia IIIC T130°C Da -20°C ≤ Ta ≤ +50°C
General information	
Scope of delivery	3M™ PELTOR™ WS™ LiteCom Pro III Ex headset. Battery ACK082 Power supply FR08 Cable AL2AH (for ACK082) Hygiene kit HY83 Documentation

Accessories

	MT73/1	Boom arm microphone with dynamic microphone capsule, waterproof for 3M™ PELTOR™ LiteCom Pro III Ex headset
	ACK082	Rechargeable lithium-ion battery for 3M™ PELTOR™ LiteCom Pro III Ex headset
	AL2AH	Battery charging cable for ACK081 battery pack
	FL5602-50	External PTT for WS™ LiteCom Pro III Ex Headset, ATEX
	FR08	Power plug with USB charging port for 3M™ PELTOR™ LiteCom Pro III Ex headset
	HY83	Ear cushions for 3M™ PELTOR™ LiteCom Pro III Ex headset
	HY100A	Sweat absorber for 3M™ PELTOR™ LiteCom Pro III Ex headset
	HYM1000	Microphone protection band for 3M™ PELTOR™ LiteCom Pro III Ex headset
	M40/1	Windscreen for 3M™ PELTOR™ LiteCom Pro III Ex headset
	M60/2	Windscreen for 3M™ PELTOR™ LiteCom Pro III Ex headset
	M171/2	Windscreen for 3M™ PELTOR™ LiteCom Pro III Ex headset