



Headset

LiteCom PRO III Ex Headband 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, Headband



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	Headband
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	521 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
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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