

Headset

LITE COM PRO III EX HELMET

- 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
Data for application in connection with hazardous areas	
ATEX approval	

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Technical Data

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 Hygiene kit HY83 Documentation

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