

Intrinsically-Safe Professional Mobile Radio Ex-PMR 2000

ecom has developed a professional handheld radio specifically for your daily work in hazardous areas. The Ex-PMR 2000 offers safe and reliable voice communication in daily operation and even in emergency situations. Communicate simply and without risk with your colleagues – at any time in all situations.



1.2 watts for safe working in potentially explosive areas and initiating calls even over large distances.

In addition, the Ex-PMR 2000 complies with IP 64 and therefore satisfies high industrial demands on ruggedness and reliability, particularly in hazardous areas. The CTCSS and DCS pilot tone systems and the signalling modes with five-tone signals guarantee that communication is secure thus preventing interference from other radio communication.

The Ex-PMR 2000 is equipped with a variety of mechanisms to protect lone workers. The integrated position sensor enables the monitoring of angles and will in emergency situations trigger an automatic alarm (dead-man's switch). The functions for protecting lone workers as well as the emergency button also allow manual alarms to be triggered by workers in emergency situations.

All parameters for the Ex-PMR 2000 functions may be comfortably set on a PC using the corresponding software kit and can also be saved for programming several units. Thus minimizing work and ensuring that all radios harmonize with each other.

- 16 channels
- Programmable channel spacing
- CTCSS, DCS, 2- and 5-tone signalling
- Scan mode
- Adjustable squelch levels
- Transmission time limitation (TOT)
- Emergency alarm functions
- Lone worker protection
- Dead-man's switch with position sensor

Scope of delivery:

- Ex-PMR 2000 U/V
- rechargeable battery
- Ex-AM PMR 2000
- Belt clip
- Operating instructions

Ex-data:

Ex-designation:
 Ⓜ II 2 G Ex ia IIC T4
 EC-Certificate of Conformity:
 ZELM 06 ATEX 0318

The Ex-PMR 2000 can be used in the Zones 1 and 2.

This professional radio operates in two different frequency bands and is available in either the VHF 136-174 MHz or the UHF 400-470 MHz version. The radio's transmission power has been limited to

Technical data:	
Frequency range:	VHF 136-174 MHz, UHF 400-470 MHz
Number of channels:	16
Channel spacing:	12.5/20/25 KHz
Operating voltage:	7.4 V
Operating temperature:	-20 °C ... +50 °C
Antenna impedance:	50 Ω
Protection rating:	IP64
Dimensions (LxWxD):	119 x 59 x 45 mm
Weight:	approx. 400g
Battery:	2000 mAh, Lithium-Ion
Operating time:	approx. 12 h (90 % standby, 5 %TX, 5 %RX)



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Accessories for Intrinsically-Safe Two-Way-Radio Ex-PMR 2000

	Description		Description
	Battery Ex-AM PMR 2000 (2000 mAh Li-Ion) Art.-Nr.: A0000282		Charger Power adaptor and charger (UK, EU or US) Art.-Nr.: A0000283
	Leather case incl. carrying strap and belt loop (black) Art.-Nr.: A0000288		Multi Docking Station MC PMR 2000 Art.-Nr.: A0000285 EU Art.-Nr.: A0000294 UK Art.-Nr.: A0000295 US
	Microphone-/Remote speaker combination Ex-HS02 Art.-Nr.: A0000286		Ear Protection Headset Ex-TRA 300 Available with helmet adaptor for popular safety helmets Art.-Nr.: A0000389 Art.-Nr.: A0000406
	Neck band Headset Ex-TRA 300 Art.-Nr.: A0000393		Fire brigade headset Ex-TRA 300 Adaptor for almost every helmet available Art.-Nr.: A0000397
	VHF-Antenna A0000278 UHF-Antenna A0000289		Software Kit incl. data cable (attention serial plug needed) Art.-Nr.: A0000296