

# m - Comm

## The versatile voice communications system for rescue and confined space working.



- Set up in minutes – anywhere
- ATEX approved for industrial and mining use
- Works in places where radios don't
- Operates from a few metres to kilometres
- Satisfies confined space legislation requirements
- Lightweight, robust, water immersible



Mine rescue equipment with m-Comm

Originally developed to provide rapid, high integrity speech communications for rescue teams underground, m-Comm uniquely offers the portability of a radio handset and the clarity of a hard wired telephone.

m-Comm is simple to use. Pay out the guide wire on entering the workspace, clip-on and press to talk. No more bulky cable drums.

Depending on your needs, Base stations and Handsets can be used in any combination and from any point along the guide wire. The Base station incorporates additional features, e.g. line proving, loudspeaker output and rapid recharge power pack.

Recent UK legislation requires effective communication in all confined space working. m-Comm provides a comprehensive and cost effective communications solution to confined space working, improving safety and operational effectiveness. From the risk assessment stage onwards specify m-Comm.

### SPECIFICATION

#### System

Range up to 5 kilometres underground with copper guide wire.  
Coupler opening 6mm dia.  
Operational temperature range -5 to 40°C.

#### Handset

Approvals  $\text{Ex}$  II 1 G  $\text{Ex}$  I M1,  
EEx ia II C T4 (Ta = -5 °C to + 40 °C), EEx ia I (H2).  
Power source PP3 type alkaline battery or rechargeable NiMH battery.  
Battery life 10 hours typical operation\*.  
Case material Nylon 6/6 with glass/carbon fibre reinforcement.  
Environment protection Water immersible.  
Weight 700g.  
Dimensions 270 x 80 x 35mm.

#### Base Unit

Approvals Groups  $\text{Ex}$  II 1 G  $\text{Ex}$  I M1,  
EEx ia I A T1 (Ta = -5 °C to + 40 °C), EEx ia I.  
Power source 12v rechargeable NiMH battery.  
Battery life 10 hours typical operation\*.  
Case materials Fibre-glass reinforced polyester with graphite added.  
Environment protection Splash proof.  
Weight 3kg.  
Dimensions 220 x 95 x 160mm.

\*Operations duty 80% receive, 20% transmit.



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