

# M-Comm

VOICE COMMUNICATION SYSTEM

## FEATURES

- 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

## APPLICATIONS

Developed with the aim of providing rapid, high integrity speech communications for rescue teams underground, m-Comm offers the unique portability of a radio handset with the clarity of a hard wired telephone.

Forget about bulky cable drums, simply:

- pay out the guide wire on entering the workspace
- clip-on
- press to talk



Versatile voice communications system for rescue and confined space working

Handsets can be used with base stations in any combination from any point along the guide wire.

ADDITIONAL FEATURES of the base station include:

- Line proving
- Loudspeaker output
- Rapid recharge power pack

# TECHNICAL SPECIFICATIONS

## SYSTEM

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

## HANDSET

Approvals	Ex II1 G Ex IM1, EEx iaIIc T4 (Ta = -5 °C to + 40 °C),EEx iaI(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	Ex II1 G Ex IM1, EEx ia IA 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 polyesterwith graphite added
Environmental protection	Splash proof
Weight	3kg
Dimensions	220 x 95 x 160mm

\*Operations duty 80% receive, 20% transmit