



SAFE COMMUNICATIONS ON BOARD

## UHF ON BOARD handheld two-way Mod. EP400-OB



INTRINSICALLY SAFE

**ATEX: II 2G Ex ib IIC T4 Gb**

**IECEX: Ex ib IIC T4**

Small, lightweight, rugged, reliable

255 Channels

Ex-ATEX Li-ion battery

Programmable function keys

Group or individual calls

Save battery mode

MIL STD 810F

EN 300-720-2 ON BOARD

Approval certificate N°0014737-352755



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## GENERAL CHARACTERISTICS

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| Frequency       | 450 - 470 MHz (UHF)                                                          |
| Channel spacing | 12,5 - 25 KHz                                                                |
| Battery         | Li-ion 7.4V / 1300mAh, ATEX II 2G Ex ib IIC T4 Gb                            |
| Battery life    | 10 hours with duty cycle 5/5/90                                              |
| Mic             | Internal, condenser MIC                                                      |
| Dimensions      | 54 (W) x 114 (H) x 30 (D) mm                                                 |
| Weight          | 285g                                                                         |
| In shipping box | Handhelod radio, Li-Ion battery, charger, belt clip, antenna and user manual |

### TRANSMITTER

|                   |             |
|-------------------|-------------|
| RF power          | 2W          |
| Spurious emission | < -36 dBm   |
| FM noise          | < -40 dB    |
| Audio distortion  | < 5% a 1KHz |

### RECEIVER

|                          |                |
|--------------------------|----------------|
| Sensitivity (12dB SINAD) | < 0,25µV       |
| Channel selectivity      | > -60 / -70 dB |
| Audio power              | 1W             |
| Audio distortion         | < 5% a 1KHz    |

**Ex-ATEX CERTIFIED : II 2G Ex ib IIC T4 Gb**



|            |                                               |
|------------|-----------------------------------------------|
| <b>II</b>  | Not for mines use                             |
| <b>2</b>   | High protection                               |
| <b>G</b>   | Explosive gas atmosphere                      |
| <b>Ex</b>  | ATEX and IECEx European directive             |
| <b>ib</b>  | Intrinsically safe                            |
| <b>IIC</b> | Explosive gas atmosphere (including Hydrogen) |
| <b>T4</b>  | Temperature class (max 135°C)                 |
| <b>Gb</b>  | Equipment with high level protection          |

## ACCESSORIES

|                |                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------|
| <b>A-BP-5</b>  | 1300mAh Li-ion battery  |
| <b>A-CH-9</b>  | 110-220Vac battery charger                                                                                 |
| <b>NR-73</b>   | UHF flexible antenna                                                                                       |
| <b>A-MS-12</b> | External speaker/MIC  |
| <b>NR-68</b>   | USB cable and programming SW                                                                               |