

# NOVEL

*radio*

## VHF/UHF handheld two-way radio

### EP/100 EP 400 Series

**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**

**Approval certificate N°0017179-353036**

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## GENERAL CHARACTERISTICS

<b>Frequency</b>	<b>EP100 : 136 - 176 MHz (VHF)</b> <b>EP400 : 400 - 470 MHz (UHF)</b>
<b>Channel spacing</b>	12,5 - 25 KHz
<b>Battery</b>	Li-ion battery 7.4V / 1300mAh, ATEX II 2G Ex ib IIC T4 Gb
<b>Battery life</b>	10 hours with duty cycle 5/5/90
<b>Mic</b>	Internal, condenser MIC
<b>Dimensions</b>	54 (W) x 114 (H) x 30 (D) mm
<b>Weight</b>	285 g
<b>In shipping box</b>	Two-way handheld, Li-Ion battery, charger, belt clip, antenna e user manual

### TRANSMITTER

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

### RECEIVER



<b>Sensitivity (12dB SINAD)</b>	< 0,25 $\mu$ V
<b>Channel selectivity</b>	> -60 / -70 dB
<b>Audio power</b>	1W
<b>Audio distortion</b>	< 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-72</b>	VHF flexible antenna for EP-100
<b>NR-73</b>	UHF flexible antenna for EP-400
<b>A-MS-12</b>	External speaker/MIC 
<b>NR-68</b>	USB cable and programming SW

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