

# HT882/ HT822

## UHF/VHF ATEX IIA INTRINSICALLY SAFE TRANSCEIVER

### WHY COMPROMISE?

**Reliable.  
Enduring.  
Tough.**

For those requiring an entry level Intrinsically Safe portable radio with a no compromise MIL-STD810 C/D/E/F build specification, the 16 channel Entel HT8X2 is the most cost effective solution. Conforming to European rating IP68, the HT800 offers the highest submersibility rating of any portable radio, uniquely able to withstand total immersion in water to a depth of 5 metres for 1 hour. The HT8X2 entry level radio is ATEX Certified Intrinsically safe and is designed to operate in the most hostile environments. With its exceptionally loud audio, and superior IP68 ingress protection rating, it is the choice of fire & rescue services, oil & gas installations, tankers and oil drilling platforms worldwide.



#### KEY FEATURES

- ✓ 1800mAh ATEX Li-ion battery technology
- ✓ Fully submersible IP68
- ✓ Robust MIL-STD construction
- ✓ Simple and intuitive operation
- ✓ Exceptionally loud audio
- ✓ Lightweight polycarbonate construction, just 277g
- ✓ Scan/ Priority Scan
- ✓ Programmable Scrambler
- ✓ Talk around
- ✓ Extensive range of optional accessories
- ✓ Robust multi pin accessory connector

### Endurance & Safety Engineered





# About HT882/HT822

Radios for use in potentially explosive environments of oil and gas installations, such as tankers and oil drilling platforms, or in gas laden atmospheres encountered by fire and emergency rescue services must be designed and constructed to be totally safe. Entel's IP68 HT800 series is ATEX certified Intrinsically Safe and rated as waterproof-submersible to an unprecedented depth of 5 metres for 60 minutes.

The commercial grade HT Series 2.0 portables, with their exceptionally loud audio, are also designed to withstand the every day rigours of shock, vibration and the corrosive effects of dust and moisture, ensuring many years of trouble free use in the most hostile environments.

## Technical Specifications

### GENERAL

|                          |  |
|--------------------------|--|
| RF Power output          | VHF 4W (high ) / 1W (low)                        |
| Frequency Range          | VHF 136-174MHz /UHF400-470MHz                    |
| Channels                 | 16 Channels                                      |
| Channel Spacing          | 12.5 kHz/ 25 kHz                                 |
| Environmental Protection | IP68 submersible 5M for 1 hour                   |
| Military Standard        | MIL-STD 810C/D/E/F                               |
| Thermal shock & Humidity | As per MIL-STD                                   |
| Antenna Impedance        | 50 ohm   |
| Battery Type             | 1800mAh ATEX Intrinsically Safe Li-ion           |
| Power Supply Voltage     | 7.4V DC  |
| Audio Output             | 660mW—distortion: < 3% @ 500mW                   |
| Operating temperature    | -20 to +55C                                      |
| Dimensions*              | 130mm (h - ex. controls) x 59.5mm (w) x 37mm (d) |
| Weight                   | 277g (with battery and aerial)                   |

### TRANSMITTER

|                     |                     |
|---------------------|---------------------|
| Frequency Stability | < ±0.00025% (±2PPM) |
| Audio Distortion    | < 5% (1 kHz 60%)    |
| Spurious Emission   | -68 [dBc]           |
| Hum & Noise         | -40 [dB]            |

### RECEIVER

|                              |                                 |
|------------------------------|---------------------------------|
| Receiver Type                | Double Super Heterodyne         |
| Sensitivity                  | -0.25uV (12dB SINAD)            |
| Frequency Stability          | ±0.00025%(±2PPM)                |
| Spurious Rejection           | -60 dB                          |
| Adjacent Channel Selectivity | -60 dB (Narrow) , -70 dB (Wide) |
| Distortion                   | < 3% Typical                    |
| Audio Output                 | 660mW                           |
| Speaker Size                 | 38mm                            |

Testing completed using portable radio with attached battery and antenna.

Specifications subject to change without notice. All specifications shown are typical unless otherwise stated.

Radio meets applicable regulatory requirements.



## Supplied Accessories

7.4v, 1800mAh ATEX Intrinsically Safe Li-Ion battery

High efficiency antenna

110/240V Rapid Charger

Spring loaded belt clip

User Manual