

# HT583 - IECEx

## INTRINSICALLY SAFE UHF MARINE TRANSCEIVER

### WHY COMPROMISE?

**Reliable  
Enduring  
Tough**

It's not just an essential marine communications tool, ready to go at the touch of a button. If and when you find yourself on the wrong side of the cruel sea, or in an environment of hazardous and explosive material, it can be a life-saver. So don't compromise by relying on inferior products, insist on the radio that's way out in front of its competition. Built to a stringent standard, the Entel HT583 is designed to shrug off wind, rain and salt water to give you years of trouble-free use. You can depend on it.



#### KEY FEATURES

- ✓ 1800mAh ATEX Lithium Ion battery technology
- ✓ Fully submersible IP68
- ✓ Robust MIL-STD construction
- ✓ Simple and intuitive operation
- ✓ High visibility back-lit LCD
- ✓ Exceptionally loud audio
- ✓ Robust multi pin accessory connector
- ✓ Lightweight polycarbonate construction, just 277g
- ✓ Extensive range of optional accessories

### Entel HT583 Endurance & Safety Engineered





# About HT583 - IECEx

Radios for use in the potentially explosive environments of oil and gas installations, such as tankers or drilling platforms, or in gas-laden atmospheres encountered by the emergency services, must be designed and constructed to be totally safe. Entel's HT583 IECEx portables were designed with that in mind.

Entel believes that non submersible radios have no place in the harsh world of maritime and terrestrial high risk environments

The commercial grade HT Series 2.0 IECEx portables, with their exceptionally loud audio, are also designed to withstand the every day rigours of life at sea, with superior MIL-STD 810/C/D/E/F construction and IP68 submersible rating making them the most robust, safe and durable marine portables in the market.

## Technical Specifications

### GENERAL

RF Power output	4W(high ) / 1W (low)
Frequency Range	400 to 470 MHz
Channels	INT and Private Channels
Channel Spacing	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 and Voltage	1800mAh Li-ion Intrinsically Safe / 7.4 V DC
Battery Life	High Power (15 hours) Low Power (19 hours)
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 @ 500mW
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 IECEx Intrinsically Safe Li-Ion battery

High efficiency antenna

110/240V Charger

12V DC Lead

Spring loaded belt clip

Lanyard