

HT523S

INTRINSICALLY SAFE VHF TRANSCEIVER

WHY COMPROMISE?

**Reliable
Enduring
Tough**

It's not just an essential 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 HT523S 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 IECEx 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
- ✓ This model does not support a scrambler

Entel HT523S Endurance & Safety Engineered



About HT523S



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 HT523S 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 portables in the market.

Technical Specifications

GENERAL

RF Power output	4W(high) / 1W (low)
Frequency Range	136 to 174 MHz
Voice Inversion Scrambler	Not Included
Channels	255 channels
Channel Spacing	12.5 kHz / 25 kHz
Environmental Protection	IP68 submersible 2M for 4 hours
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 Intrinsicly 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	1W
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.



Supplied Accessories

7.4v, 1800mAh rechargeable Lithium-Ion battery pack

High efficiency antenna

Rapid Charger

User Manual

Spring loaded belt clip