

HT783/ HT723

UHF / VHF TRANSCEIVER with LCD Display

WHY COMPROMISE?

**Reliable.
Enduring.
Tough.**

For those requiring more than 16 channels in a portable radio with a no compromise MIL-STD810 C/D/E/F build specification, the 255 channel HT7X3 is the most cost effective solution. Conforming to European rating IP68, the HT700 series 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 HT7X3 radio is designed to operate in the most hostile environments with the convenience of a high visibility LCD display. With its exceptionally loud audio, the HT700 series is the choice of fire and rescue services world-wide.



KEY FEATURES

- ✓ 2000mAh Lithium battery technology
- ✓ 255 channels
- ✓ High visibility backlit LCD display
- ✓ Channel Naming
- ✓ Fully submersible IP68
- ✓ Robust MIL-STD construction
- ✓ Simple and intuitive operation
- ✓ Exceptionally loud audio
- ✓ Lightweight polycarbonate construction, just 277g
- ✓ Scan/ Priority Scan
- ✓ Programmable Scrambler
- ✓ Talkaround
- ✓ Extensive range of optional accessories
- ✓ Robust multi pin accessory connector

Endurance Engineered





About HT783/HT723

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.

Entel's IP68 HT series is certified as waterproof-submersible to an unprecedented depth of 5 metres for 60 minutes.

Aware that the smallest tolerances of case size and material variation alone could compromise your radio's waterproof integrity, uniquely, each individual Entel portable is tested on a custom-built air pressure test-jig to ensure it meets the exacting high standards we have set for ourselves.

Technical Specifications

GENERAL

RF Power output	VHF 5W (high) UHF 4W(high) / 1W (low)
Frequency Range	HT723VHF 136-174MHz /HT783 UHF400-470MHz
Channels	255 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	2000mAh 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	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.

Radio meets applicable regulatory requirements.



Supplied Accessories

7.4v, 2000mAh Li-Ion battery

High efficiency antenna

110/240V Rapid Charger

Spring loaded belt clip

User Manual