MARINE



ATEX (Ex) II 2 G Ex ib IIA T4 II 2 G Ex ib IIC T4

<u>mA</u>

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Submersible Dependable Tough

Finici

1E

SUBMERSIBLE



SUBMERSIBLE



HT Series Features

HT Marine Series 2.0 - Superseding the multi award-winning HT series 1.0 is a challenging task considering its success with fire brigades, petrochem, shipping and major blue chip organisations worldwide. Series 2.0 builds upon this success with a wider range of models to suit every application from simple to advanced. Built to last, the HT Series 2.0 is designed to endure the everyday rigours of life at sea.

Commercial Grade Construction - Exceeding MIL STD 810C/D/E/F rating for tough enduring performance the HT Series 2.0 is designed to withstand shock, vibration, dust and moisture, ensuring many years of trouble free use in the most hostile environments.

Superior Audio Quality - The HT Series 2.0 delivers loud, crisp audio using the latest compander noise reduction technology no matter what environment you are in.

Intelligent Lithium-Ion Battery With Built In Charge Cycle Monitoring - This very latest technology gives you four essential advantages:

I) For your convenience the HT Series 2.0 will count charge cycles of your battery pack, warning you when it is nearing the end of its life. Models equipped with an LCD will also display the battery charge count. 2) Extended duty cycle.

- 3) Not prone to the dreaded memory effect that Nicad and Ni-MH battery packs suffer from, therefore no need to fully discharge your battery pack before charging.
- 4) Stores a charge up to three times longer than a Nicad battery.

Submersible - Conforming to European IP68, the HT Series 2.0 offers the highest submergibility rating of any manufacturer. This unique series protects against corrosion, withstanding total immersion in water to a depth of 5 metres for 1 hour to protect against the likely hazards encountered in any field of operation.

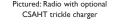
ATEX Approved IIC - The HT900 range of ATEX certified portables meet IIC T4 - the most stringent ATEX ratings as per EU directive 94/9/EC. For full details refer to the ATEX DATA SHEET available here: www.entel.co.uk/atex

ATEX Approval IIA - The HT800 range of ATEX certified portables meet IIA T4 with 4 watts RF power, for those users not resticted to the IIC I watt regulatory classification.

IECEx Approval - The HT500 range of intrinsically safe certified portables are suitable for those users who do not need to comply with the European ATEX standard.















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LCD VHF ATIS



General Features					
Environmental protection to IP68 (submersible - 5m for 1 hour)	~	~	¥	~	v
MIL STD 810C/D/E/F	~	✓	~	✓	~
1800mAH Li-Ion battery	~	√	v	✓	~
Flash upgradeable to add future features	~	✓	×	~	~
Channel capacity	16	255	INT, USA, CAN	INT, USA, CAN	INT, USA, CAN
Private channels	~	~	¥	✓	~
Robust accessory connector	~	✓	~	√	~
LCD display**	×	✓	v	✓	~
Channel naming	×	✓	×	✓	×
Bluetooth wireless comms (option)	~	~	×	~	×
For - Convenience					
Low battery warning	~	~	~	✓	~
VOX hands free	~	✓	~	√	~
Battery charge count (requires LCD to display)	~	~	×	✓	×
Receive signal strength indicator	×	~	×	~	v
For - Security					
Programmable scrambler (voice inversion)	¥	~	×	~	×

** A full-featured version of the LCD VHF is available as a special order.

Example of classification, based on IIC, I Watt:

- Ex Explosion proof equipment
- i Intrinsically Safe the energy levels in the circuits cannot cause accidental detonation
- II For use in areas where there is some risk of detonation
- C The most hazardous gas grouping, including hydrogen and acetylene
- T4 Based on the surface temperature not exceeding 135°C.

Area classification

- Zone I covers areas where the environment is occasionally hazardous
- Zone 2 covers areas where the environment is only rarely hazardous, and then only for brief periods.



Pictured: UHF ATEX variant with stubby antenna



'the professional's choice'





CMP750
 CMP950



■ EA15/750 ▲ EA15/950



■ CXR5/750
 ▲ CXR5/950



CHP750D
 CHP950D



CSBHT



■ EA19/750
▲ EA19/950



■ EA12/750
▲ EA12/950



CXR16/750 ▲ CXR16/950





Not intrinsically Safe



For the latest and complete range of accessories visit www.entel.co.uk

Technical Specifications

General Specifications

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RF power output	VHF	5W (high) / IW (low)		
	UHF	4W (high) / I W (low)		
	GMDSS	IW		
RF power output ATEX	IIA	4W (UHF) / 4W (VHF)		
	IIC	IW		
	GMDSS (IIC)	IW		
RF power output IECEx	4W (high) / I W (low)			
Frequency range VHF	156 to 163.275MHz INT, USA, CAN			
Frequency range UHF	400 to 470MHz			
Frequency range UHF u/band	450 to 520MHz			
Environmental protection	IP68 submersible 5m for 1 hour			
Military Standard	MIL STD 810C/D/E/F			
Dimensions*	130mm (h) x 59.5mm (w) x 37mm(d)			
Weight	277g (with battery and aerial)			
Audio output	660mW - distortion: < 3% @ 500mW			

 \ast Dimensions are based on radio with attached battery, excluding knobs, antenna and protrusions.

Supplied Accessories

7.4v, 1800mAh Li-Ion battery**	
Trickle charger (except for HT649/PI)	
Spring loaded belt clip**	
High efficiency antenna	
User guide CD	

** GMDSS models can be supplied in different package combinations. Please consult your local dealer.

For a full and detailed specification see our web site www.entel.co.uk



