



# Tron AIR

HAND PORTABLE VHF AIR BAND



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### HAND PORTABLE VHF AIR BAND

- Rugged design
- Belt clip standard
- Low power consumption
- Lithium battery, 4 years service life
- Conforms to ETS TS 101089
- MED approved
- Mandatory on passenger ships
- Basic operation instructions on case
- Ease of operation with one hand, even wearing gloves
- Floating and waterproof
- Easy change of battery
- Internationally approved

#### SPECIFICATIONS

Conforming standard: ETS TS 101089  
SOLAS Ref. Ch. IV / 7.5 - look below for further info  
No. channels: 2 channels, 121.500 & 123.100 MHz  
Operating temperature range: -20°C to +55°C  
Weight radio: Approx 650 g. with lithium battery

#### Transmitter

RF output power: Up to 750 mW (3 W PEP)  
Frequency stability:  $\pm 1.5$  kHz  
Modulation: AM, max. 85%  
Distortion: < 10% THD at 85% mod. (AM)  
S/N ratio: > 30 dB at 85% mod. (AM)  
AF frequency response: 300-3000 Hz, +1 dB/-3 dB  
Channel spacing: Min. 25 kHz  
Adjacent channel power: < -70 dB  
Local oscillator: PLL frequency synthesizer  
Communication mode: Simplex

#### Receiver

AF output power: 200 mW with < 10% THD  
AF frequency response: 300-3000 Hz, +1 dB/-3 dB

Sensitivity:  
Adjacent channel selectivity: < 6 dB $\mu$ V with SINAD = 12 dB  
Spurious response rejection: > 60 dB  
Intermodulation response: > 60 dB  
Spurious emission: > 60 dB  
Squelch threshold level: < 2 nW  
S/N ratio: Adjustable

- SOLAS ref: -Every passenger ship shall be provided with means of two-way on-scene radio-communications for search and rescue purposes using the aeronautical frequencies 121.5 MHz and 123.1 MHz from the position from which the ship is normally navigated.



#### ACCESSORIES

- Rechargeable battery 400 mAh
- Rechargeable battery 850 mAh (makes the unit non-floating)
- Charger
- Headset and microphones
- Leather carrier case
- Bulkhead bracket
- Container
- Lithium battery

#### Agent/Distributor:

Jotron AS reserves the right to change the design and/or specifications at any time without prior notice.

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