



Unique features

- ▶ The only floating GMDSS radio in the market
- ▶ Intuitive and user friendly design
- ▶ Full duplex channels accessed with rechargeable battery
- ▶ Preset emergency mode when connected to primary battery
- ▶ Excellent microphone noise cancelling
- ▶ Excellent sound quality under all conditions
- ▶ Waterproof accessories

Tron TR30 GMDSS and Maritime VHF Radio





▶ Tron TR30 GMDSS and Maritime VHF Radio

Tron TR30 GMDSS and Maritime VHF Radio is an innovated “two-in-one” radio, which gives the user the opportunity to access both standard GMDSS simplex channels and full maritime duplex channels. In addition, the floating Tron TR30 GMDSS and Maritime VHF Radio can be connected to an IP67 speaker microphone or a headset with a PTT-module. The small and compact two-positioning charger is easy to install and allows the user to access vital information on the display while charging. Tron TR30 GMDSS and Maritime VHF Radio has the ultimate functional design. Every detail has been developed based on user functionality, both in an emergency situation (emergency battery) and in general on board communications (rechargeable battery). When connecting the emergency battery, the radio is automatically in preset emergency mode. Only emergency required features are accessible, thus reducing critical radio adjustment time for the user.

Tron TR30 GMDSS and Maritime radio (Part No. 87950)



Tron TR30 GMDSS radio (Part No. 83446)



SPECIFICATIONS

TECHNICAL	Emergency battery (non chargeable)	Rechargeable battery
Frequency range:	TX: 154-RX 161.875MHz	TX: 154-RX:161.875MHz
Channel spacing:	25 KHz	25 KHz
Operating temperature range:	-20 to +55	-20 to +55
Battery operating time:	12 h (10-10-80)	Typ. 12 h (5-5-90) medium power
Size, WHD:	61 mm x 157 mm x 40 mm (Depth with belt clip 47 mm)	61 mm x 157 mm x 40 mm (Depth with belt clip 47 mm)
Full buoyancy:	Yes	Yes
Weight:	Approx.: 300 g	Approx.: 295 g
Receiver		
Maximum usable sensitivity:	< 1µV for 20dB SINAD	< 1µV for 20dB SINAD
Adjacent channel rejection:	> 70dB	> 70dB
Blocking:	> 90dB	> 90dB
Spurious response:	> 70dB	> 70dB
Harmonic distortion:	< 5%	< 5%
Intermodulation rejection:	> 68dB	> 68dB
Channel monitoring:	DW	DW/TW/Scan
Transmitter		
Transmitter output power (fully charged battery):	Lo: 1W , Hi 2W	Lo: 1W, Med: 2W (default), Hi: 4W
Harmonics and spurious:	< 0.25µW	< 0.25µW
Frequency error:	< +1.5kHz	< +1.5kHz
Adjacent channel power:	< -70dBc	< -70dBc
Approval standards		
EMC / Environmental:	IEC60945 / 301843-2	IEC60945 / 301843-2
VHF:	IEC61097-12 / EN300225	ETS301178

Charger	
Operating power source:	12-24 DC, or 15/ 20 VAC from a 115-240VAC
Mounting:	Wall and table mountable
Size, WHD:	92 mm x 68 mm x 115 mm

Emergency battery	
Chemical system:	Lithium/Iron Disulfide (Li/FeS ₂)
Voltage:	6V
Capacity:	2900 mAh
Rechargeable battery	
Chemical system:	Lithium Polymer Battery
Voltage:	7.4V Nom
Capacity:	1550 mAh

Approved according to:



OPTIONAL ACCESSORIES

- Speaker microphone Tron TR30
- Push-to-talk (PTT) adaptor
- 3M and Peltor standard headset
- Carry case with strap

UN 38.3 Test Summary Report

Lithium Cell or Battery Test Summary in Accordance with Section 2.9.4 UN Model Regulations and Sub-section 38.3 of the UN Manual of Tests and Criteria, Part III, subsection 38.3.5

[a] Cell Battery Product
 Tested Type Part # Jotron p/n 87086
 Same Type Part # see list

[d] Unique report ID: 1236216 Rev.01

[e] Report date: 18.04.2014

[b] **Manufacturer**

Jotron AS

[c] **Test Laboratory**

Pony Testing International Group Co.Ltd

Same Type Part Numbers # (all): Jotron p/n 87950 (Tron TR30 GMDSS and Maritime VHF radio), 83446 (Tron TR30 GMDSS), 101700 (Tron TR30 AIR), 101035 (Spare TR30 Emergency GMDSS Battery), 101710 (Spare TR30 Test Battery)

[f] (i) Li-ion Li-metal.

(iv) **Description:** Assembled from 4 units Energizer AA/FR6 L91 cells in series(2s1p) in two separate packs

(ii) Mass: 60 g

(iii) Watt hour rating or Lithium content: 1.96 g x 2 = 3.92 g

(v) Cell Battery Product. Model number/Part number: 87086

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	I04013014321D-1
38.3.4.2 T.2: Thermal test	Pass	I04013014321D-1
38.3.4.3 T.3: Vibration	Pass	I04013014321D-1
38.3.4.4 T.4: Shock	Pass	I04013014321D-1
38.3.4.5 T.5: External short circuit	Pass	I04013014321D-1
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	I04013014321D-1
38.3.4.7 T.7: Overcharge (N.A for Li-metal only)	N/A	N/A
38.3.4.8 T.8: Forced discharge (cell only test)	Pass	I04013014321D-1

[h] Battery assembly: Not Applicable. UN38.3.3 (f) UN38.3.3 (g)

[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3 ST/SG/AC .10/11/Rev 5.

[j] Signatory A. Date: 04.12.2019

Name: Jan Erik Sæter

Title: Product Manager AIS & GMDSS

Signature:



Important; The above signatory/signatories affirm that this document is a true and correct summary of the original Individual tests and test data. Please note that any counterfeit batteries under Jotron product name and/or Jotron p/n do NOT comply to this document!

UN 38.3 Test Summary Report

Lithium Cell or Battery Test Summary in Accordance with Section 2.9.4 UN Model Regulations and Sub-section 38.3 of the UN Manual of Tests and Criteria, Part III, subsection 38.3.5

[a] Cell Battery Product
 Tested Type Part # Jotron p/n 87623
 Same Type Part # see list

[d] Unique report ID: 1236219 Rev.01

[e] Report date: 04.12.2019

[b] **Manufacturer**

Jotron AS

[c] **Test Laboratory**

Pony Testing International Group Co.Ltd

Same Type Part Numbers # (all): Jotron p/n 87950 (Tron TR30 GMDSS and Maritime VHF radio), 101036 (Spare TR30 Rechargeable LiPo Battery)

[f] (i) Li-ion Li-metal.

(iv) **Description:** Assembled from 2 units GEP653759 cells in series (2s1p) from Green Energy Battery Co, Ltd.

(ii) Mass: 60 g

(iii) Watt hour rating or Lithium content: 11.47 Wh

(v) Cell Battery Product. Model number/Part number: 87623

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	I05193020621D-1
38.3.4.2 T.2: Thermal test	Pass	I05193020621D-1
38.3.4.3 T.3: Vibration	Pass	I05193020621D-1
38.3.4.4 T.4: Shock	Pass	I05193020621D-1
38.3.4.5 T.5: External short circuit	Pass	I05193020621D-1
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	I05193020621D-1
38.3.4.7 T.7: Overcharge (N.A for Li-metal only)	Pass	I05193020621D-1
38.3.4.8 T.8: Forced discharge (cell only test)	Pass	I05193020621D-1

[h] Battery assembly: Not Applicable. UN38.3.3 (f) UN38.3.3 (g)

[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3 ST/SG/AC .10/11/Rev 5.

[j] Signatory A. Date: 04.12.2019

Name: Jan Erik Sæter

Title: Product Manager AIS & GMDSS

Signature:



Important; The above signatory/signatories affirm that this document is a true and correct summary of the original Individual tests and test data. Please note that any counterfeit batteries under Jotron product name and/or Jotron p/n do NOT comply to this document!