

# Tron 40VDR

Float-free capsule



- Preferred by major VDR manufacturers
- Float free heating bracket available
- Built in GPS for quick and accurate positioning
- Rugged design for extreme conditions
- Cost effective maintenance due to module based design

 **Mackay**  
Marine Electronics &  
Satellite Communications  
[www.mackaymarine.com](http://www.mackaymarine.com)

 **JOTRON**  
Performance for Life

# Tron 40VDR

## Technical specifications

PARAMETER	
Battery	Lithium, Saft LSH-14 Light, 7.2 V/18 Ah(2S5P). 5 year service life
Housing	Glass reinforced polycarbonate
Dimensions	Height: 400 mm, max diameter: 200 mm
Weight	1.9 kg approximately
Materials	Polycarbonate
Compass safe distance	0.8 m
Temperature range	-20°C to +55°C ( -4°F to +131°F)
Temperature storage	-30°C to +70°C (-22°F to +158°F)
Operating life	Minimum 168 hours at -20°C
COSPAS-SARSAT	
Transmitter frequency	406.037 MHz +/- 2 ppm
Output power	5 W +/- 2 dB
Protocols	MMSI and Serial Location Protocols
Modulation	Phase modulation 1.1 +/- 0.1 rad
Data encoding	Bi Phase L
Stability	Short term: $\leq 2 \times 10^{-9}$ Hz, medium term: $\leq 10^{-9}$ Hz
Residual noise	$\leq 3 \times 10^{-9}$ Hz
Bit rate	400 b/s
Antenna	Built in, omnidirectional
Navigation device	56-channel GNSS receiver (GPS, GLONASS, QZSS and SBA)
Homing Transmitter	
Frequency	121.500 MHz
Output power	Up to 100 mW
Modulation	A9, AM sweep tone between 300 Hz and 1600 Hz
Sweep range	700 Hz. Sweep rate: 2.5 Hz
Stability	10 ppm over temperature range
Antenna	Built in, omnidirectional
Bracket materials	Glass reinforced polycarbonate/glass reinforced nylon
Bracket dimensions	H: 553 mm, L: 236 mm, W: 214 mm
Bracket weight	2.9 kg approximately
Release mechanism	Jotron approved hydrostatic release unit with special bolt

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### A combined Cospas-Sarsat and MED approved float free emergency position indicating radio beacon (EPIRB) and a float free storage medium

The Tron 40VDR Float Free Capsule complies to the latest VDR performance standards IMO MSC.333 (90), IEC61996-1 Ed.2 and IEC61097-2. The separate VDR storage module contains a standardized memory capacity at 64 GB.

### Spare parts

Only a company that has been certified by the VDR maker is permitted to service a Tron 40VDR float free capsule.

Generally, accessories and spare parts are handled directly by the VDR maker. Some parts require configuration from the VDR maker prior to installation.

For additional information or clarification contact the VDR maker or your Area Sales Manager at Jotron.

Approved:



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