406 MHz Satellite Emergency Position Indicating Radio Beacon
(406 MHz Satellite EPIRB)

Tron 60AIS

- Conforming to the IMO resolution MSC.471 (101)
- AIS homing technology included for faster localization
- Supports Multi-GNSS
- Prepared for RLS* through Galileo
- Infrared LED light for night vision devices and assisted SAR

Category

All vessel types

Deepsea

Workboats

Fishing

Yachting

JRC Japan Radio Co., Ltd.

*: Return Link Service

Features

This EPIRB has been tested for operational and performance requirements in accordance with the international standard, IEC 61097-2 Ed.4 (April 2021). Both regular LED light and infrared LED light are built-in to better support SAR activities at night and in the dark. The Tron 60AIS offers Galileo Return Link Service, Europe's Global Navigation Satellite System (operational since January 2020).

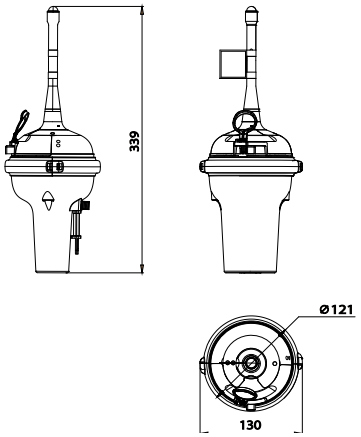
Specifications

General Specification	
Antenna 406 MHz Cospas-Sart Transmitter 121.5 MHz Homing Transmitter AIS Transmitter	Omni directional
GNSS Receiver	PCB inverted-F antenna
Battery Type Voltage	Lithium metal 12 VDC/2.9 Ah (Term of validity: 10 years)
Release Sensor	Made by Hammer (Term of validity: 2 year)
Activation	Automatic and manual
Deactivation	Move the switch back to its middle position and pick up the beacon unit from sea water.
Standard Compass Safe Distance	0.8 m
Battery Operating Time	More than 48 hours
Operating Temperature	-20 ℃ to 55 ℃
Stowage Temperature	-30 ℃ to 70 ℃
EPIRB Unit Dimension	H339 mm x W130 mm x D121 mm
EPIRB Mass	Approx. 0.7 kg
Float-free Bracket Dimension	H385 mm x W151 mm x D153 mm
Float-free Bracket Mass	Approx. 1.0 kg

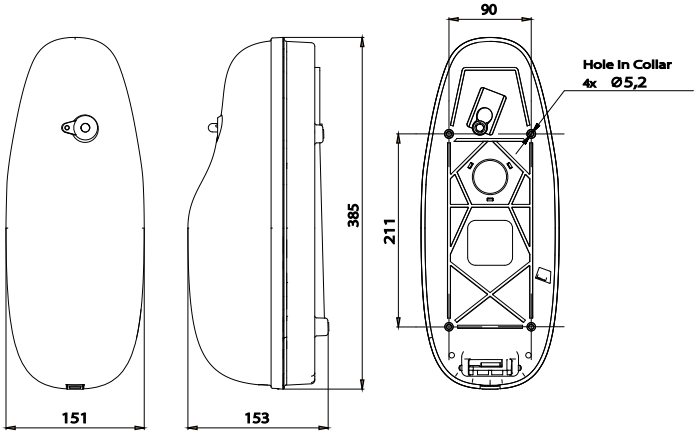
406 MHz Cospas-Sarsat Transmitter	
Transmitter Frequency	406.031 MHz
Output Power	5 W
Modulation	Phase modulation
Data Encoding	Bi Phase L
Stability	
Short Term Stability	Less than $2x10^{-9}$
Medium Term Stability	Less than 10^{-9}
Residual Noise	Less than $3x10^{-9}$
Bit Rate	400 bps
GNSS Recever	
Global Navigation Satellite System	GPS, GLONASS, Galileo
121.5 MHz Homing Transmitter	
Transmitter Frequency	121.500 MHz
Output Power	Up to 100 mW
Modulation	AM Sweep range: 700 Hz Sweep rate: 2.5 Hz
Stability	10 ppm over temperature range
AIS Trasmitter	
Transmitter Frequency	161.975 MHz (AIS 1) 162.025 MHz (AIS 2)
Output Power	1 W
Modulation	GMSK
Stability	±1 kHz

Tech Specs

EPIRB RoHS
Tron 60AIS Weight: Approx. 0.7 kg (1.55 lbs)



Float-free Bracket RoHS
FB-60 Weight: Approx. 1.0 kg (2.21 lbs)



• Specifications may be subject to change without notice.

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