



# Tron 45S / SX

EMERGENCY POSITION-INDICATING RADIO  
BEACON, EPIRB



[www.jotron.com](http://www.jotron.com)

# ▶ Tron 45S/SX



## How the Tron 45S/SX saves lives?

When you activate the Tron 45S/SX, it starts transmitting vessel identity to the geostationary and polar orbiting satellites equipped with COSPAS/SARSAT transponders. The satellites forward the signal to a Ground Receiving Station (LUT) where also the position will be calculated and transferred to a Mission Control Centre (MCC). The necessary demands will be sent to the right Rescue Control Centre (RCC) which co-ordinate the rescue operation. The Search and Rescue Forces (SAR) bring the people in distress to safety.

## SPECIFICATIONS

Dimensions Tron 45S / 45SX:

Materials EPIRB:

Material brackets:

Antenna:

Visual indication:

Compass safe distance:

Operating temperature:

Battery:

Operating life:

Standards:

## COSPAS/SARSAT TRANSMITTER:

Frequency:

Output power:

Protocols:

Modulation:

Data encoding:

Stability:

Bitrate:

## HOMING TRANSMITTER:

Frequency:

Output power:

Modulation:

Stability:

Height: 341 / 490 mm

Max diameter: 81 mm

Weight: 0,7 / 0,9 kg

Polycarbonate with 10 % glass fibre and ABS

Aluminium or POM

Omnidirectional whip antenna

Length: 180 mm

Built in strobe light

1,5 m

-20°C to +55°C

Jotron type number 97769 / 97770

Tron 45S: Lithium, 4 years service lift

Tron 45SX: Lithium, 5 years service lift

Tron 45S: min. 24 hrs at -20°C

Tron 45SX: min. 48 hrs at -20°C

Approved according to:

COSPAS/SARSAT

ETSI 300 066 (Tron 45SX)

406.025 MHz  $\pm$  2ppm

5W  $\pm$  2db

Maritime, Serialised, Radio Call sign

Phase modulation 1.1  $\pm$  0.1 rad

Bi phase L

Short term:  $\leq$  10-9

Medium term:  $\leq$  10-9

Residual noise:  $\leq$  3 x 10-9

400 b/s

121.500 MHz

Up to 100 mW

A9 AM, sweep tone from max 1600 Hz

down to min 300 Hz

Sweep range 700 Hz

Sweep rate 2.5 Hz

10 ppm over temperature range



## Agent/Distributor:

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

[www.jotron.com](http://www.jotron.com)

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