



Tron 45S / SX

EMERGENCY POSITION-INDICATING RADIO
BEACON, EPIRB



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.

SPEifications

Dimensions Tron 45S / 45SX:

Height: 341 / 490 mm

Max diameter: 81 mm

Weight: 0,7 / 0,9 kg

Materials EPIRB:

Polycarbonate with 10 % glass fibre and ABS

Material brackets:

Aluminium or POM

Antenna:

Omnidirectional whip antenna

Length: 180 mm

Visual indication:

Built in strobe light

Compass safe distance:

1,5 m

Operating temperature:

-20°C to +55°C

Battery:

Jotron type number 97769 / 97770

Tron 45S: Lithium, 5 years service life

Tron 45SX: Lithium, 5 years service life

Operating life:

Tron 45S: min. 24 hrs at -20°C

Tron 45SX: min. 48 hrs at -20°C

Standards:

Approved according to:

COSPAS/SARSAT

ETSI 300 066 (Tron 45SX)

COSPAS/SARSAT TRANSMITTER:

Frequency:

406.025 MHz ± 2ppm

Output power:

5W ± 2db

Protocols:

Maritime, Serialised, Radio Call sign

Modulation:

Phase modulation 1.1 ± 0.1 rad

Data encoding:

Bi phase L

Stability:

Short term: ≤ 10⁻⁹

Medium term: ≤ 10⁻⁹

Residual noise: ≤ 3 x 10⁻⁹

400 b/s

Bitrate:

HOMING TRANSMITTER:

Frequency:

121.500 MHz

Output power:

Up to 100 mW

Modulation:

A9 AM, sweep tone from max 1600 Hz

down to min 300 Hz

Sweep range 700 Hz

Sweep rate 2.5 Hz

Stability:

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. Reservations are also taken towards any general errors that may occur.

v.A

www.jotron.com

CONTACT INFORMATION

Jotron AS
P.O.Box 54
3281 Tjodalving
Norway
Tel: +47 33 13 97 00
Fax: +47 33 12 67 80
sales@jotron.com

Jotron UK Ltd.
Crosland Park
Cramlington
NE23 1LA
United Kingdom
Tel: +44 (0) 1670 712000
Fax: +44 (0) 1670 590265
sales@jotron.com

Jotron Asia Pte. Ltd.
19 Loyang Way
Changi Logistics Centre
Rear Office Block 04-26
Singapore 508724
Tel: +65 65426350
Fax: +65 65429415
sales@jotron.com

Jotron USA, Inc.
10645 Richmond Avenue, Suite 170
Houston, TX 77042
USA
Tel: +1 713 268 1061
Fax: +1 713 268 1062
sales@jotron.com