

# Tron SART20

Radar transponder



- Proven technology makes it an industry favorite
- Detected by X-band radar
- Easy battery replacement
- Wide range of accessories
- 5 year warranty

# Tron SART20

## A robust and compact radar transponder

Tron SART20 is designed for use in search and rescue (SAR) operations. A radar transponder gives the location for any nearby vessel and aircraft with X-band radar. This radar transponder is designed for use in lifeboats and liferafts. Tron SART20 is available with various installation devices and offers easy mounting in bulkhead bracket on-board the vessel. Tron SART20 is easy to release and activate in an emergency situation.

## Technical specifications

PARAMETER	
Weight	482 g
Height	251 mm (9 7/8")
Material housing	Glass-reinforced polycarbonate
Frequency	X-band (3 cm) (9.2-9.5 GHz)
Radiated power	> 400 mW e.i.r.p (+26 dBm)
Sweep type	12 sweep sawtooth type. Forward 7.5 $\mu$ s +/- 1 $\mu$ s. Return 0.4 $\mu$ s +/- 0.1 $\mu$ s starts with return sweep
Receive sensitivity	Better than -50 dBm e.r.s
Response delay	Max 0.5 $\mu$ s
Antenna pattern	Horizontal polarisation. Omnidirectional radiation in the horizontal plane. Greater than +/- 2.5 degrees elevation angle in the vertical plane
Antenna height	Place at least 1 m (3.3 ft) above sea/ground level
Indication	Visual and audible alarm
Temperature range	Operating: -20°C to +55°C, storage: -30°C to +65°C
Battery	7.2 V Primary lithium battery. 5 year service life
Operating life	96 hours standby + 8 hours continuous operation when activated by a radar with 1 kHz prf at -20°C
Standards	IEC 61097-1, IEC60945, IMO A.802 (19), IMO A.694 (17), MSC.247 (83)
<b>ACCESSORIES</b>	
Brackets	Bulkhead bracket and lifeboat bracket
For life raft	Life raft mounting pole. Neoprene bag and strengthened lanyard. Life raft mounting strap
<b>WARRANTY</b>	5 year from factory

MED and other approvals available.  
Mandatory carriage equipment for all ships of 300 gross tonnage and upwards, according to SOLAS III/6.2.2, III/26.2.5 and IV/71.3.

## Accessories



Bulk head bracket



Lifeboat bracket



Pole bracket



Life raft mounting strap