

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 μ s +/- 1 μ s. Return 0.4 μ s +/- 0.1 μ s starts with return sweep
Receive sensitivity	Better than -50 dBm e.r.s
Response delay	Max 0.5 μ 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)
ACCESSORIES	
Brackets	Bulkhead bracket and lifeboat bracket
For life raft	Life raft mounting pole. Neoprene bag and strengthened lanyard. Life raft mounting strap
WARRANTY	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