

SAILOR[®]

Thrane & Thrane

LRIT PLUG AND PLAY INMARSAT MINI-C

Pole Star is the world leader in the testing of Long-Range Identification and Tracking (LRIT) equipment. Pole Star can now also supply a dedicated LRIT terminal delivered directly to your ship, pre-configured for immediate use and inclusive of all Inmarsat C operational processes including terminal and PSA activation, ISP or AA.

Reliable, simple and secure, the Pole Star LRIT equipment kit has been developed to meet the immediate needs of the ship operator. By pre-configuring the terminal before it reaches the ship, there is no need for a technician to go on board and no delay in the unit functioning. As soon as the unit is plugged in, we will provide a free equipment test ensuring a speedy route to compliance.

By providing a unit that can be simply plugged into the ship's power supply (24V) and starts working, the ship operator can be confident this unit means:

- No paperwork to complete on the vessel
- Uncomplicated system
- Crew installed
- Connect to the ships UPS (24V)

The LRIT equipment conformance test

Pole Star will manage all aspects of the test including: terminal commissioning, satellite communications network management, post-test de-commissioning, production of a conformance test report (with detailed test results provided).

Hardware option

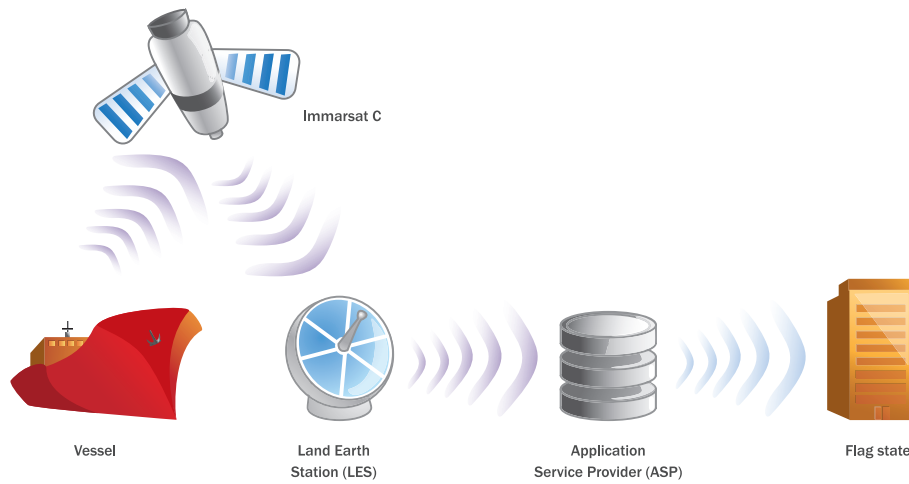
A complete stand alone, plug and play unit.

Equipment package

- Mini C transceiver
- 50m antenna cable
- Pole mount kit
- Installation guide

What is included in the cost:

- Pre-registered / activated for Inmarsat C service
- Pre-configured mobile number
- Set default LES
- Set default ISP - determined by accounting authority
- Perform link test
- 18 months warranty
- Free Conformance test



| GENERAL | |
|------------------------|---|
| General specifications | Meets Inmarsat maritime specifications and SOLAS Resolution XI-2/6 requirements EPADR compatible |

| PHYSICAL | |
|-----------------------------|---|
| TT-3026M mini-C Transceiver | Length: 163mm (6.4") x Height: 146mm (5.7") Weight: 1.1kg (2.4lbs) |

| INMARSAT MINI-C TRANSCEIVER | |
|-----------------------------|--|
| Antenna specifications | Inmarsat-C/GPS omni-directional antenna RHC polarised G/T: -23.7dB/K at 5° elevation EIRP: 7dBW at 5° elevation Elevation angle: -15° to 90° |
| Operating frequencies | Rx: 1525.0 – 1559.0MHz* Tx: 1626.5 – 1660.5MHz* GPS: 1575.42MHz * Inmarsat frequencies: Rx: 1525.0 – 1545.0MHz Tx: 1626.5 – 1646.5MHz |
| GPS module | 12-Channels. 1 sec update rate 15m RMS accuracy |
| Solar radiation | Maximum flux density: 1200W/m2 |
| Precipitation | Up to 100 mm/hour, droplet size 0.5 to 4.5mm at wind speed up to 200km/h (124mph) |
| Ice | Up to 25 mm |
| IP rating | Lloyds approved for IP66 Tested for IP68 by Thrane & Thrane |
| Temperature range | Operating: -35°C to 55°C; Storage: -40°C to 80°C |
| Fuse | Self recovering poly fuse |

| POWER SPECIFICATIONS | |
|------------------------|---|
| Power source, floating | Operating: 10.5V – 32V DC Nominal: 12V – 24V (at max. 20m cable) |
| Power consumption | Rx: 1.8W (stand by); Tx: 23W (at 12V DC supply) |

| SATELLITE COVERAGE SPECIFICATIONS | |
|-----------------------------------|--|
| General | Compatible with the new Inmarsat I4 satellite generation. Automatic ocean shift for global coverage. 24 hour scanning for strongest signal; scanning on signal loss |

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