Thrane & Thrane

SAILOR® 6140 MINI-C MARITIME

New generation Inmarsat mini-C VMS & tracking solution

The Thrane & Thrane SAILOR 6140 mini-C Maritime is a sophisticated, dedicated Vessel Management System (VMS) and tracking terminal. It supersedes the well established SAILOR 3026M/S, which is used aboard thousands of professional fishing vessels worldwide, to meet mandatory requirements for the carriage of satellite tracking equipment.

Designed for extreme environments

The system is a single, self-contained and sealed terminal, housing both antenna and transceiver. This design approach has proven to be rugged and reliable, especially for use aboard the harsh environment of a professional fishing vessel. With the terminal's 50 channel GPS module and omni-directional antenna, satellite fix and position are ensured even under the most adverse conditions.

Today, it is mandatory for fishing vessels in more than 40 countries around the world to carry satellite tracking equipment. Since the mid-90's Thrane & Thrane has delivered more than 25,000 Inmarsat-C and mini-C terminals for monitoring solutions all over the world and the next generation SAILOR 6140 mini-C Maritime is based on the unmatched experience Thrane & Thrane has in developing innovative satellite tracking systems.

Functionality to meet requirements

With the SAILOR 6140 mini-C Maritime you can be sure that you are meeting requirements through a wide range of functionality, including:

- **Data Reporting** – A standard data report contains information about latitude, longitude, speed, course, time, date as well as the SAILOR mini-C identity number. However, the data report package can be tailored to suit specific needs.

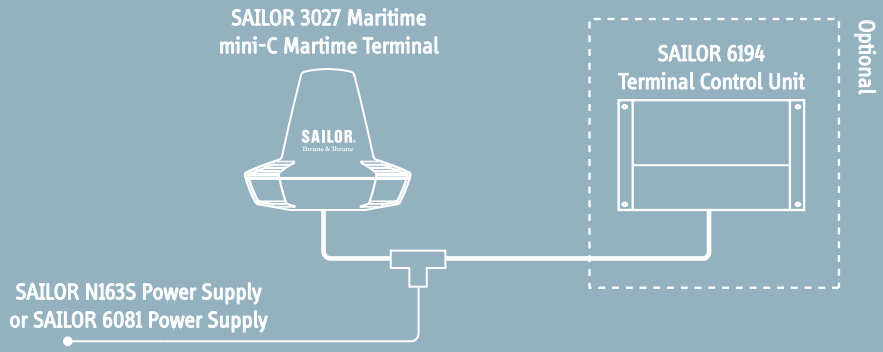
- **Vessel Monitoring System** – VMS provides a number of advanced tracking functions giving the user greater control and eliminating unnecessary reporting.

- **GeoFencing** – With GeoFencing you can divide relevant sea areas into a range of geographical zones meaning you can define special areas of interest where specific reporting intervals come into effect and also be alerted when your vessel is out of its designated zone. With increased memory capacity the terminal is now able to hold a multitude of different zones and programs. With the optional TCU programming for advanced monitoring is available with up to 14 I/O pins or 7 output pins, depending on configuration.

SAILOR®

SAILOR® 6140 MINI-C MARITIME

SAILOR



GENERAL

General specifications	Meets Inmarsat maritime specifications and IMO LRIT requirements
Inmarsat Type Approval	4TT097

TERMINAL UNIT SPECIFICATIONS

Operating frequencies	Rx Frequency Band: Rx: 1525 - 1545 MHz Tx Frequency Band: Tx: 1626.5 - 1646.5 MHz
GPS module	50 channel
Terminal interface	NMEA2K DeviceNet Mini-style, Male

ANTENNA UNIT SPECIFICATIONS

G/T	-23.7 dBk at 5° elevation
EIRP	Min. 7 dBW at 5° elevation
Antenna elevation	-15° to 90°

POWER SPECIFICATIONS

Absolute power supply range	9 - 32 VDC
Nominal power input	15 VDC
Power consumption (typical)	Rx: 1.85 W @ 15 VDC Tx: 22 W @ 15 VDC

TERMINAL CONTROL UNIT SPECIFICATIONS

Interface options	CAN interface NMEA2K mini RS-232 LAN interface RJ45

DIMENSIONS AND WEIGHT

mini-C Terminal	Diameter: 170.5 mm Height: 145 mm (without pole mount) Weight: 1,1 Kg
Terminal Control Unit	239 mm x 172 mm x 54 mm Weight: 0,8 Kg

COMPARISON CHART

	SAILOR 6110 mini-C	SAILOR 6120 mini-C	SAILOR 6130 mini-C	SAILOR 6140 mini-C	SAILOR 6150 mini-C
GMDSS	X				
SSAS	X	X			
LRIT	X	X	X		
SafetyNET			X	X	X
Non-SOLAS Distress					X
Tracking	X	X	X	X	X

ThraneLINK

ThraneLINK is a sophisticated communication protocol that connects the SAILOR products in a network, offering important new opportunities to vessels. It provides facility for remote diagnostics and enables access to all the SAILOR products from a single point for service. This results in optimized maintenance and lower cost of ownership because less time is needed for troubleshooting and service. Installation is made easier as ThraneLINK automatically identifies new products in the system. The uniform protocol is an open standard which provides a future proof solution for all vessels.

Subject to change without further notice.

Thrane & Thrane A/S · maritime@thrane.com · www.thrane.com

71-133781-A01 08.11 MBU