The compact TT-3020C full SOLAS/GMDSS Capsat® Transceiver is your ultimate choice for global Inmarsat-C mobile communication. The TT-3020C offers fast and reliable connections to any fax and data subscriber worldwide and/or directly to and from another Capsat® unit.

The TT-3020C supports all Inmarsat communication modes, including telex, X.25, e-mail, and mobile-to-land fax services, the standard PU/PA programming formats, as well as an advanced reporting format with multiple DNID’s, independent reporting timers and global ocean area preprogramming.

The TT-3020C can be supplied with our compact omni-directional TT-3005M antenna, integrating both Inmarsat-C and GPS operation into one single unit.

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Operation and control of the TT-3020C may be performed via either the TT-3056E GMDSS approved Message Terminal.

Additional peripherals such as ac/dc power supply with automatic switchover, remote alarms and FOC printers etc. may be supplied for your GMDSS installation.

The Transceiver also includes a number of parallel control ports, a standard NMEA 0183 nav/data interface and an advanced ArcNet local network interface for connection of up to several ArcNet printers and alarm panels.

The TT-3020C supports our home base Capsat® Manager Program for fleet tracking and fleet management.
### Specifications

**General Specifications:**
Meets or exceeds current and proposed INMARSAT specifications (CN114), and IEC 1097-4/IEC 945 for full SOLAS/GMDSS installations.

**Operating Frequencies:**
- **Receive:** 1525.0-1559.0 MHz
- **Transmit:** 1660.5 MHz
- **GPS:** 1575.42 MHz

**Channel Spacing:**
- 1.25/2.5/5 kHz

**Modulation:**
- 1200 symbols/sec, BPSK

**Antenna Interface:**
- Standard 50 ohm female TNC (transceiver), female TNC (antenna).
- Up to 70 m antenna cable.

**Printer Interface:**
- Standard parallel IEEE 1284 (Centronics), DB-25F connector.

**Data & GPS I/O:**
- Serial EIA-422-A optically isolated input (NMEA 0183 protocol), DB-15F
- Parallel I/O: RS-410 4-bit open collector input/output and 2-bit input.

**Data Rate:**
- 600 bits/sec

**Wind:**
- Up to 200 Kmh

**Vibration Operational:**
- Random 5-20Hz 0.05 g/Hz, 20-150 Hz 0.5g/Hz, 20-150 Hz 3dB/Oct. (1.7g rms)

**Vibration Survival:**
- Random 5-20 Hz 0.05 g/Hz, 20-150 Hz 3dB/Oct. (1.7g rms)

**Shock:**
- Half sine, 20g/2 ms

**Electronics Unit Mounting:**
- Flange mounting, vertical or horizontal.

**Dimensions:**
- **Electronics Unit:** HxWxD, 50mm x 180mm x 165mm
- **Antenna Unit:** HxD, 178 mm x 122mm incl. Mast Mount

**Weight:**
- **Electronics Unit:** 1.3 kg

**Our products are under continuous research and development. This information may therefore change without prior notice.

**Capsat is a registered trademark of Thrane & Thrane A/S Denmark.**