

Class B AIS Transceiver 78950i



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| Power Supply | 12V, 24V |
| Power Consumption | <3W |
| Peak current | 3A |
| Load Equivalency Number | 1 LEN |
| RF SPECIFICATIONS | |
| DSC Receiver | Implemented by time sharing with one TDMA receiver |
| Receiver 1 band | 156.025 MHz to 162.025 MHz (in 25KHz steps) |
| Receiver 2 band | 156.025 MHz to 162.025 MHz (in 25KHz steps) |
| Transmitter band | 156.025 MHz to 162.025 MHz (in 25KHz steps) |
| Transmitter specification | To meet IEC 62287-2 relevant sections |
| Receiver specification | To meet IEC 62287-2 relevant sections |
| Transceiver specification | To meet IEC 62287-2 relevant sections |
| GPS Receiver | |
| GPS receiver | u-blox MAX-M8W |
| Receiving channels | 72 channels |
| Acquisition time | cold start 26s |
| Positional source | GPS & GLONASS |
| ENVIRONMENT | |
| Operating temperature | -40°C to +65°C |
| Storage temperature | -40°C to +75°C |
| Waterproof | IPX6 and IPX7 |
| Humidity | Up to 93% @ 40°C |
| EXTERNAL CONNECTIONS | |
| VHF antenna connector type | SO-239 co-axial |
| VHF radio connector type | SO-239 co-axial |
| GNSS antenna connector | 50Ω TNC co-axial |
| NMEA2000 | DeviceNet male |
| USB | Micro-B |
| External interface isolation | NMEA0183 and NMEA 2000 interfaces to incorporate galvanic isolation from power supply as required by the relevant interface specification |
| NMEA0183 interface 1 (MFD connection) | NMEA 0183 HS (IEC 61162-1) compliant, bi-directional, RS422 levels. 4 wire interface (differential signalling). Configurable baud rate. Input to MFD from AIS |
| NMEA0183 interface 2 (NMEA0183 instrument connection) | NMEA 0183 (IEC 61162-1) compliant, bi-directional, RS422 levels. 4 wire interface (differential signalling). 4 wire interface (differential signalling) Configurable baud rate |
| USB interface (PC connection) | Protocol NMEA 0183 HS (IEC 61162-1) compliant, bi-directional USB port, 38.4 kBaud |

| Applicable Standards |
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| IEC 62287-22017 |
| IEC 609452002 |
| IEC 611082003; EN 301843-1:2004 |
| EN 60950-1; ITU-R M.1371-5 |