

AIS Class B CS transceiver „easyTRX“

Part No. A023

Dimensions	198 x 158 x 47 mm
Weight	375g
Power	DC (9.6-15.6V)
	Average power consumption 4W
	Peak current rating 2A
GPS Receiver (AIS Internal)	IEC 61108-1 compliant
Electrical Interfaces	RS232 38.4kbaud bi-directional
	RS422 NMEA 38.4kbaud bi-directional
Connectors	VHF Antenna connector (UHF female bulkhead connector)
	GPS Antenna connector (TNC female bulkhead connector)
Cable – Data/Power	RS232 / RS422 / Data / Power (15-pin Connector) Typically, 1.5 meter DSUB
VHF Transceiver	Transmitter x 1
	Receiver x 2 (One receiver time shared between AIS and DSC)
AIS1: 161.975 MHz AIS2: 162.025 MHz	Frequency: 156.025 to 162.025 MHz in 25 kHz steps
Output Power	33dBm ± 1.5 dB
Channel Bandwidth	25kHz
Channel Step	25kHz
Modulation Modes	25kHz GMSK (AIS, TX and RX)
	25kHz AFSK (DSC, RX only)
Bit rate	9600 b/s ± 50 ppm (GMSK)
	1200 b/s ± 30 ppm (FSK)
RX Sensitivity	Sensitivity – 107dBm 25kHz (Message Error Rate 20%)
	Co-Channel 10dB
	Adjacent Channel 70dB
	IMD 65dB
	Blocking 84dB
Environmental	IEC 60945
	Operating Temperature: -25°C to +55°C
	IEC 62287, IP67 (with cables installed)
Indicators	Power, TX timeout, status, pre-set SRM sent or Silent Mode
Operator Controls	Optional pre-set safety related message (SRM) transmit button or Silent Mode -No Transmit (user Configured).



Reporting intervals	<p>Every 30 seconds if SOG is > 2 kn; Every 3 Minutes if SOG is ≤ 2 kn Provided that the transmission time periods are available. A command received by Message 23 shall override the reporting interval.</p> <p>Static Data sub message 24B will be transmitted every 6 minutes in addition to and independent of the position report. (MMSI, ship type, cargo type, call sign, ship dimensions)</p>
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