



TX-20 Airborne AIS Transponder

- Certified for installation in fixed wing and rotorcraft (harsh environment).
- Compliant with maritime AIS standards, Automatic Identification System.
- AIS message exchange with AIS vessels, aircraft and ground stations.
- Transmit and Receive SAR and aircraft AIS messages.
- Autonomously monitor all AIS equipped vessels from aircraft.
- Fully provisioned for interfacing with AIS cockpit or cabin display system.
- Data link for transmitting/receiving data and customer configurable messages.
- Currently approved installations include Bell 412, S-76, EC BK-117, etc.

Our AIS products meet the following international standards:

IMO MSC.74 (69) Annex 3

ITU-RM.1371-1

IALA Tech. Clarif. of 1371-1

IEC 61993-2

IEC 60945

IEC 61162-1

Environmental Qualification: RTCA DO-160D

Software Qualification: DO-178B

General Technical Data on AIS Transponder and Mounting Tray:

Power Supply: 22-30 VDC, max 5A

Weight: 3.6 Kg (7.9 lbs), Size WxHxD: 69x208x347mm (2.7x8.2x13.7 in)

Built in GPS: 12 Channels (DGPS prepared)

VHF Transceiver:

- Freq. Range: 156 – 162.5 MHz

- Channel Spacing: 25 / 12.5 kHz

- 1 Transmitter, 3 Receivers (2 AIS, 1 DSC optional)

- Modulation GMSK

- Bitrate: 9600 bps, Output Power: 2/12.5 W

Data ports: 3 I/O RS 422/NMEA 0183, 38400/4800 bps

Signal connector: MIL-C-38999 series III

Power connector: MIL-C-38999 series III

GPS Antenna connection: TNC

VHF Antenna connector: Type N



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