

# 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, etc
- 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
- Silent mode operations in flight selectable (receive only mode)
- Approved installations include EC-135, BK-117, Agusta 109, Bell 412, Bell 212, Sikorsky S76, Dash-8, (ATR 42) etc. Avionetics' systems in operation worldwide

#### **Our AIS products meet the following international standards:**

IMO MSC.74 (69) Annex 3  
ITU-RM.1371-3  
IEC 61993-2  
IEC 60945  
IEC 61162-3  
Environmental Qualification: RTCA DO-160D  
Software Qualification: DO-178B

#### **General Technical Data on AIS Transponder:**

Power Supply: 22-30 VDC, max 5A  
Weight: 3.7 kg (8.1 lbs), Size WxHxD: 74x211x348mm (2.9x8.3x13.7 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



---

#### **AVIONETICS AB**

Teknikringen 1E  
Mjärdevi Science Park  
SE-58330 Linköping, Sweden  
Tel: +46 13 210053 or 210057  
Tel: +46 731 808607 or 825888  
E-mail: [info@avionetics.com](mailto:info@avionetics.com)  
Website: [www.avionetics.com](http://www.avionetics.com)