

ANTENNAS & AERIALS

AG100 GNSS ANTENNA

SKU: 001-1030

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FEATURES

- **High performance Industry Grade GNSS patch antenna**
- **Rugged Weatherproof plastic housing**
- **Provides Positional Data in AIS Transmissions**
- **Fully waterproof (IP67)**
- **Low noise integrated amplifier**
- **Voltage: 2.5 – 5.5 V dc**
- **Storage temperature: -40°C to +100°C**

OVERVIEW

The AG100 is a GNSS antenna for use with the T350 Class B Transponder and all Comar AIS receivers with a GNSS input.
A high performance GNSS patch antenna and a low noise amplifier are integrated into a fully waterproof enclosure, providing excellent antenna signal amplification and out-band filtering with rejection.
Supplied with external flagpole-style mount for cabin-roof mounting.

APPLICATIONS

- For providing Positional Data in AIS Transmissions
- Improving Safety at Sea

RELATED PRODUCTS

AV400 - Commercial Antenna for AIS
AV300 - Fibreglass VHF antenna
AV100 - Masthead Antenna, Stainless Steel Whip
T350 - Class B AIS Transponder

SPECIFICATIONS

PHYSICAL	
Weight:	150 g (without cable)
Dimensions:	Antenna: Dia. 80 mm H 71.3 mm
Mounting:	1 Inch 14 TPI threaded mountured
Mounting Base:	W 110 mm L 70 mm H 75.2 mm
Construction:	Plastic, Centre-fed TNC connector for antenna output

ENVIRONMENTAL	
Operating Temp:	-30 °C to +80 °C
Storage Temp:	-40 °C to +100 °C
Relative Humidity:	40% to 95%, non-condensing
Water Resistance:	100% waterproof IP67

ELECTRICAL	
Supply Voltage:	5.0 V dc
Current Consumption:	18 mA @ 5.0 V dc
VSWR:	1.5 max
Output Impedance:	50 Ω
Center Frequency:	1575.42 MHz
Gain:	30 +/-4.5 dB
Noise Figure:	2.0 max
Bandwidth:	2 MHz min.
Cable:	10 metre RG58 A/U
Connections:	TNC connector

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