

ANTENNAS & AERIALS

AV30 GROUND PLANE INDEPENDENT REDUCED HEIGHT AIS ANTENNA

SKU: 001-1055

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FEATURES

- **Omnidirectional**
- **Ideal for UAVs**
- **Designed for AIS**
- **Rugged rubber overmould construction with Polycarbonate base**
- **Lightweight with low windage**
- **Supplied with right-angle bracket**
- **Watertight**

OVERVIEW

The AV30 is a lightweight, compact antenna with a polycarbonate body and rubber coated helical whip section, resulting in low windage and ideal for use with the COM100 series AIS receiver.

The antenna is specifically tuned to the AIS band with the Helical matched via a tuning circuit in the base, to allow the antenna to work independently of any ground plane. The epoxy sealed top and bottom ensures watertightness in all weather conditions.

The AV30 is supplied with a right angle bracket and an SO-239 in the base for connection to extension cables

APPLICATIONS

- Ideal for use with the COM100 lightweight AIS receiver

RELATED PRODUCTS

AV20 - Quarter-wave Helical AIS Antenna

SPECIFICATIONS

PHYSICAL	
Weight:	167g
Dimensions:	L 310mm
Mounting:	Right-angle Bracket
Construction:	Rubber Overmoulded Helical whip with Polycarbonate base

ELECTRICAL	
Antenna Impedance:	50 Ω
Cable:	3m RG58 patch lead included
Connections:	SO-239 type jack in the base
Power Rating:	50W

OPERATIONAL	
Frequency range:	AIS Band 161.5 MHz
Polar Radiation:	Omni Directional
Polarisation:	Vertical
Gain:	Unity (over half wave dipole)
VSWR:	<1.5:1 at resonance
Bandwidth:	+/- 3% @ 2:1

ADDITIONAL	
Supplied:	Right-angle Bracket
Supplied:	3m RG58 patch lead

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