

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 mounting bracket and 3m RG58 patch lead**
- **Watertight**



Included 3m RG58 Patch Lead

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 connector in the base for connection to the supplied 3 m RG58 patch lead with PL-259 male to BNC male 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
Antenna Connection:	SO-239 socket in base
Cable:	3 m RG58 patch lead with PL-259 male to BNC male
Power Rating:	50 W

OPERATIONAL	
Frequency range:	AIS Band 161.5 MHz
Radiation Pattern:	Omnidirectional
Polarisation:	Vertical
Gain:	Unity (over half wave dipole)
VSWR:	<1.5:1 at resonance
Bandwidth:	±3% at 2:1 VSWR

ADDITIONAL	
Supplied:	Right-angle Mounting Bracket
Supplied:	3 m RG58 patch lead with PL-259 male to BNC male

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