

# Active Directional Antenna HE402



## Brief description

The Active Directional Antenna HE402 consists of two Active Receiving Dipoles HE302, a combining network and the mechanical fixing elements. The antenna normally receives vertically polarized signals; it can, however, also be used for horizontally polarized signals by mounting the dipoles by 90°. The horizontal radiation pattern is cardioid-shaped.

- Small size (approx. 1 m x 1 m)
- Ideal for use in mobile or semi-mobile receiving systems

## Specifications

Frequency range	20 to 87 MHz
Polarization	linear
Nominal impedance	50 Ω
VSWR	<2.5
Electronic gain	-19 to +5 dB
Practical gain	-14 to +10 dBi
Directivity	5 dB average
Noise figure	
20 Mhz	34 dB
87 Mhz	11 dB
Field sensitivity ( $\Delta f = 1$ kHz)	
20 Mhz	-12 dB( $\mu$ V/m)
87 Mhz	-22 dB( $\mu$ V/m)
Horizontal pattern	cardioid
Intercept point	
2nd order	>60 dBm
3rd order	>30 dBm
Power supply	via RF cable; 18 to 30 V DC (340 mA)
Connector	N female
Max. wind speed	180 km/h
Operating temperature	-40 to +75°C
Dimensions (L x W x H)	990 x 170 x 1099 mm
Weight	12 kg

## Recommended extras

Power Supply	IN115
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