

Active Rod Antenna HE010



Brief description

The excellent characteristics of active receiving antennas are a result of carefully matching the passive antenna structure to the active circuitry.

- Wide frequency range 10 kHz to 80 MHz
- Optimized for maximum dynamic range (high sensitivity, excellent large-signal characteristics)
- Short length (1 m only)
- High immunity to nearby lightning strikes
- Length of radiator adjustable

Specifications

Frequency range	10 kHz to 80 (120) MHz
Polarization	vertical
Nominal impedance	50 Ohm
VSWR	
50 kHz to 120 MHz	< 2
10 to 50 kHz	< 3
Antenna factor (mounted on conductive plate)	24 dB (typ.)
Intercept point	
2nd order	≥ 50 dBm (typ. 60 dBm)
3rd order	≥ 30 dBm
Crossmodulation limit	12 V/m up to 30 MHz 6 V/m, 30 to 80 MHz
Power supply	via RF cable 21 to 26 V DC (170 mA)
Connector	1 x N female
Operating temperature	-40 to +65°C
Max. wind speed	188 km/h (without ice deposit)
Dimensions	
Length	1 m
Max. diameter	120 mm
Weight	0.9 kg

Recommended extra

Power Supply Unit	IN110
Power Supply Unit	IN115