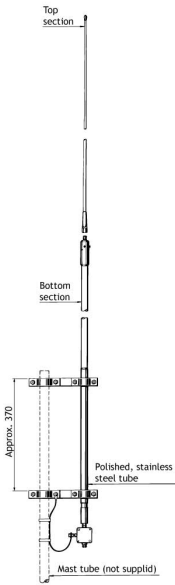


Self-Supporting Wide-Band Receiving Whip Antenna for the LF, MF and HF Bands.

DESCRIPTION

- This antenna provides a very efficient means of establishing a universal, wide-band 50 Ω receiving aerial system for the complete LF, MF and HF bands in one unit.
- The antenna consists of a high-capacitance, 5 m long glass fibre antenna element with a frequency-compensated wide-band impedance transformer mounted in the bottom end.
- The transformer converts the widely varying antenna impedance to a constant 50 Ω, making it possible to use length-independent, shielded, standard RG 58 C/U or RG 213/U as download cable to the 50 Ω receiver.
- The antenna is protected against noise pick-up running on the outside of the download cable, and it is protected against static by DC-grounding.
- Moreover, the 50 Ω receiver and the matching transformer itself are protected against RF overload and violent discharges by an air spark gap (approx. 1 kV), a gas filled spark gap (90 V) and a resistance network.
- To prevent electrolytical corrosion, the coaxial cable braid is only capacitively coupled to the earth connection.
- Installation is easily carried out by means of the two hot galvanized mast clamps. The antenna has very small weight and minimum wind surface, thereby requiring only a minimum of mast strength.
- The glass fibre construction gives a stiff and self-supporting structure with extremely good resistance against the corrosive marine environment with UV-radiation, salt, exhaust gases and ice formation as primary factors.
- RX 5000 is a maintenance-free and very reliable construction.



SPECIFICATIONS

Electrical	
Model	RX 5000
Frequency	100 kHz - 30 MHz
Antenna Type	Self-supporting wide-band receiving whip antenna for LF, MF and HF bands
Polarisation	Vertical
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω

Mechanical	
Connection(s)	N(f)
Materials	Shroud : Glass fibre, stainless steel and chromed brass Housing: Polycarbonate
Colour	Marine white
Wind Area	0.082 sq. m / 0.88 sq. ft
Wind Load	108 N (160 km/h)
Dia. At Top End	5 mm / 0.20 in.
Dia. At Bottom End	20 mm / 0.79 in.
Height	Approx. 5170 mm / 203.54 in.
Weight	Approx. 2.9 kg / 6.39 lb.
Mounting	With side-mounting clamps on 35 - 65 mm dia. mast tube

Environmental	
Operating temperature range	-30 °C to +70 °C
Survival Wind Speed	200 km/h

ORDERING

Model	Product No.
RX 5000	110000111

CLAMP DETAILS

