



Rainford EMC Compact Antenna Mast CAM 4.0-P-MT-12Kg

Technical Data

Antenna Height Automatic Adjustable from	1.0 to 4.0 m (electrical)
Total Mast Height	4.4 m
Load Capability	max. 12 Kg
Depending on the Distance of the Antenna Centre of Gravity	
Material	Plastic + Reinforced Fibre Glass, Weatherproof
Mast Cross-Section	100 mm x 100 mm
Base L x W	0.8 m x 0.6 m
Positioning Speed Adjustable Between	4 to 15 cm/sec.
Positioning Accuracy	+/- 1 cm
Manual Tilting	0° to 30°
Antenna Support Drive	Toothed Belt
Motor	Brushless DC Motor 150 W
Drive Unit	Shielded and Radio Interference Suppressed
Control Cable	Fibre Optic Lines
Remote Control via	IEEE Interface
Current Consumption	max. 2A
Voltage	208 - 230 VAC, 50/60 Hz, Single Phase
Pneumatic Polarisation	0°/ 90° (vert. /hor.)
Positioning Time	Approx. 3 sec
Polarisation Drive	Pneumatic Rotary Actuator
Control	Solenoid Valve
Pressure	max. 6 Bar
Temperature Range	-10°C...+35°C
Total Weight	60 Kg
Accessories	Interface to MCU Controller 1.5 m power supply cable 15 m air hose Service Manual

Brief Description

The Compact Antenna Mast CAM 4.0-P-MT-12Kg is suitable in magnetic absorption chambers. The antenna mast, with the exception of the drive unit, is fabricated from plastic (PVC and reinforced fibre glass). Metal parts are located only in the base plate and the drive mechanism (max. 0.3 m above ground level).

The antenna pipe of the CAM 4.0-P-MT-12Kg can be tilted manually between 0° to 30°.

Antenna Adapters for all commercially available antennas are available upon request. All antennas during polarisation rotate around their axis to eliminate any elevation errors.

The IEEE 488.2 (GPIB) bus provides an additional control option for all functions, when operated with the MCU Controllers.



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Information presented enclosed is subject to change as product enhancements are made regularly. Pictures included are for illustration purposes only and do not represent all possible configurations.



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