



Rainford EMC Compact Antenna Mast CAM 4.0-P-15Kg

Technical Data

Antenna Height Automatic Adjustable from	1.0 to 4.0 m (electrical)
Total Mast Height	4.4 m
Load Capability	max. 15 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	2 to 15 cm/sec.
Positioning Accuracy	+/- 5 mm
Antenna Support Drive	Toothed Belt
Material of Toothed Belts	Kevlar Reinforced (non-metallic)
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	50 Kg

Brief Description

The Compact Antenna Mast CAM 4.0-P-15Kg 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).

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.



Rainford EMC Systems Ltd, North Florida Road, Haydock,
St Helens, WA11 9TN, United Kingdom
Tel: +44 (0) 1942 296190 Fax: +44 (0) 1942 275202 email:
sales@rainfordemc.com





Rainford EMC Compact Antenna Mast CAM 4.0-P-15Kg



Rainford EMC Systems Ltd, North Florida Road, Haydock,
St Helens, WA11 9TN, United Kingdom
Tel: +44 (0) 1942 296190 Fax: +44 (0) 1942 275202 email:
sales@rainfordemc.com

