



Rainford EMC Dual Antenna Mast DAM 4.0

Technical Data

Antenna Height Automatic Adjustable from	1.0 to 4.0 m
Total Mast Height	4.6 m
Load Capability	max. 20 Kg
Depending on the Distance of the Antenna Centre of Gravity	
Material	Plastic + Reinforced Fibre Glass, Weatherproof
Mast Cross-Section	2 x 0.1m x 0.1m (2 fibreglass tubes)
Base L x W	2.0m x 1.0m
Positioning Speed Adjustable Between	2 to 10 cm/sec.
Positioning Accuracy	+/- 1cm
Polarisation	0°/ 90° (vert. /hor.)
Positioning Time 0°/ 90°	Approx. 3 sec
Antenna Support Drive	3 Toothed Belt
Material of Toothed Belts	Kevlar Reinforced (non-metallic)
Motor	Brushless DC Motor 300W
Drive Unit	Shielded and Radio Interference Suppressed Under EN 55022 Class B
Control Cable	Fibre Optic Lines
Remote Control via	IEEE Interface
Current Consumption	max. 5A
Voltage	208 - 230 VAC, 50/60 Hz, Single Phase
Temperature Range	-10°C...+35°C
Total Weight	160 Kg
Accessories	Interface to MCU Controller 1.5m Power Supply Cable Service Manual, Counter Weight

Brief Description

The Dual Antenna Mast DAM 4.0 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.



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