

Dual Antenna Mast DAM 4.0-E

Technical Data

Antenna height automatic adjustable from 1.0 to 4.0 m
Total mast height 4.5 m

Load capability max. 20 kg (when balanced)
For long and heavy antennas a counter weight is required to balancing the load

Depending on the distance of the antenna centre of gravity

Material of antenna mast Plastic + reinforced fibreglass

weatherproof

Mast cross-section 100 mm x 100 mm (2 fibreglass tubes)

Base L x W 1.2 m x 0.7 m

Positioning speed adjustable between 2.0 to 16 cm/sec.

Positioning accuracy ± 0.5 cm

Electrical Polarisation 0°/90° (vert./hor.)

Positioning time 0°/90° approx. 3 sec.

Motors Brushless stepper motors 200 W

Interference suppression: 20 dB under limits EN 55022 class B

Current consumption max. 5A

Voltage 208-230 VAC, 50/60 Hz, single phase

Discharge current 25mA per drive unit

(higher in the moment when powering on)

Control cable Fibre optic lines

Remote control via IEEE interface (optional Ethernet)

Antenna support drive 3 toothed belts

Material of toothed belts Kevlar reinforced (non-metallic)

Bearings at mast slide Ball bearings

Temperature range +10 °C...+35 °C

Total weight approx. 160 kg

Accessories Interface to NCD Controller

1.5 m power supply cable

Service manual

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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Brief description

The Dual Antenna Mast **DAM 4.0-E** is suitable in magnetic absorption chambers. The antenna mast, with the exception of the drive unit, is fabricated from plastic (PVC and reinforced fibreglass).

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 **NCD Controller**.