

Antenna Mast AM 4.0

Technical Data

Antenna height automatic adjustable from 1.0 to 4.0 m (electrical)

Total mast height 4.6 m Load capability max. 10 kg Depending on the distance of the antenna centre of gravity

Material Plastic + reinforced fibreglass,

weatherproof

 $\begin{array}{ll} \text{Mast cross-section} & 0.1 \text{ m x } 0.1 \text{ m} \\ \text{Base L x W} & 1.0 \text{ m x } 1.0 \text{ m} \end{array}$

Positioning speed adjustable between 2 to 15 cm/sec. Positioning accuracy +/- 1 cm

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

Positioning time $0^{\circ}/90^{\circ}$ approx. 3 sec.

Antenna support drive 2 toothed belts

Material of toothed belts Kevlar reinforced (non-metallic)

Motor Brushless DC motor 150 W

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. 2A

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

Temperature range -10 °C...+35 °C

Total weight 80 kg

Accessories Interface to MCU Controller

1.5 m power supply cable

Service manual

Brief description

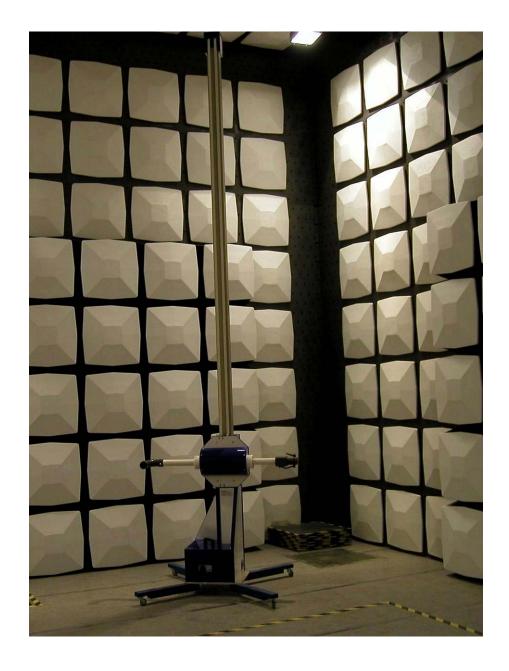
The Antenna Mast AM 4.0 is suitable in magnetic absorption chambers. The antenna mast, with the exception of the drive unit, is fabricated from plastic (PVC and reinforced fibreglass). Metal parts are located only in the base plate and the drive mechanism (max. 0.3 m above ground level).

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 **MCU Controller**.



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