maturo GmbH
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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 (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	Plastic + reinforced fibreglass, weatherproof
Mast cross-section	100 mm x 100 mm
Base L x W	1.3 m x 0.7 m
Positioning speed adjustable between	2 to 16 cm/sec.
Positioning accuracy	+/- 1 cm
Electrical Polarisation	0°/90° (vert./hor.)
Positioning time 0°/90°	approx. 3 sec.
Motor	Brushless DC motor 200 W
Interference suppression:	20 dB under limits EN 55022 class B
Current consumption	max. 2A
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
Antenna support drive	2 toothed belts
Material of toothed belts	Kevlar reinforced (non-metallic)
Bearings at mast slide	Ball bearings
Temperature range	+10 °C...+35 °C
Total weight	65 kg
Accessories	Interface to MCU/NCD 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 or NCD Controller**.

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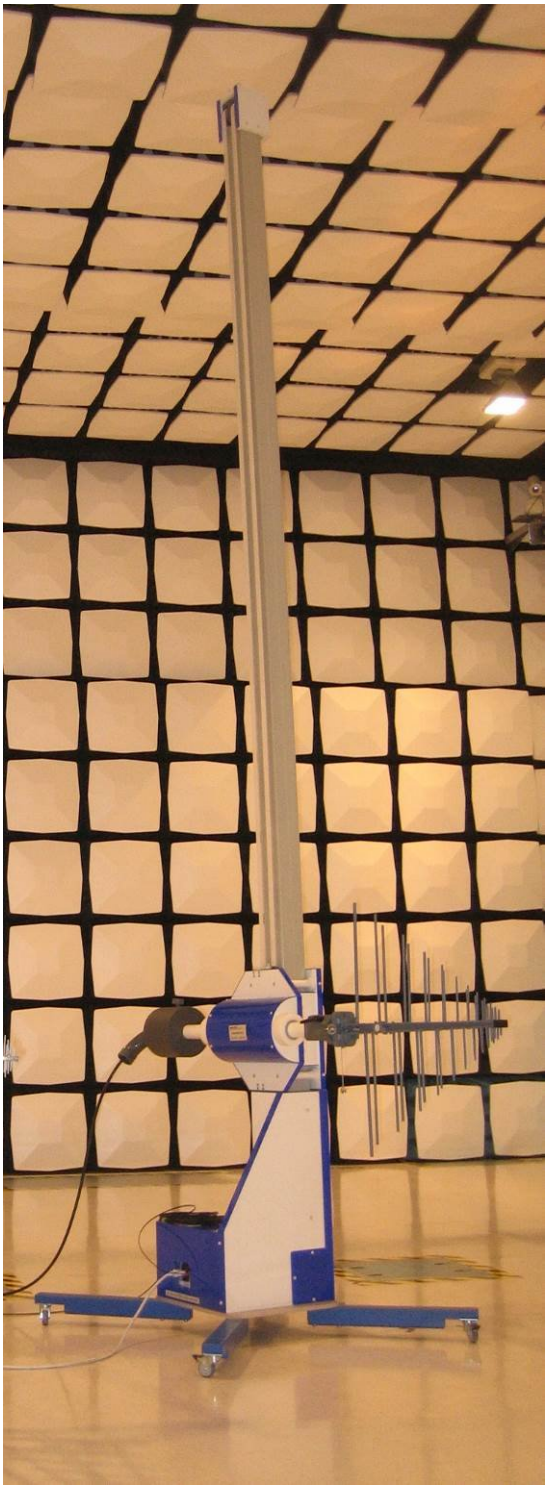

Information presented enclosed is subject to change as product enhancements are made regularly. Pictures included are for illustration purposes only and do not represent all possible configurations.

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