

Antenna Mast AM 6.0

Technical Data

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|--|---|
| Antenna height automatic adjustable from | 1.0 to 6.0 m (electrical) |
| Total mast height | 6.6 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 | 70 kg |
| Accessories | Interface to MCU/NCD Controller 1.5 m power supply cable Service manual |

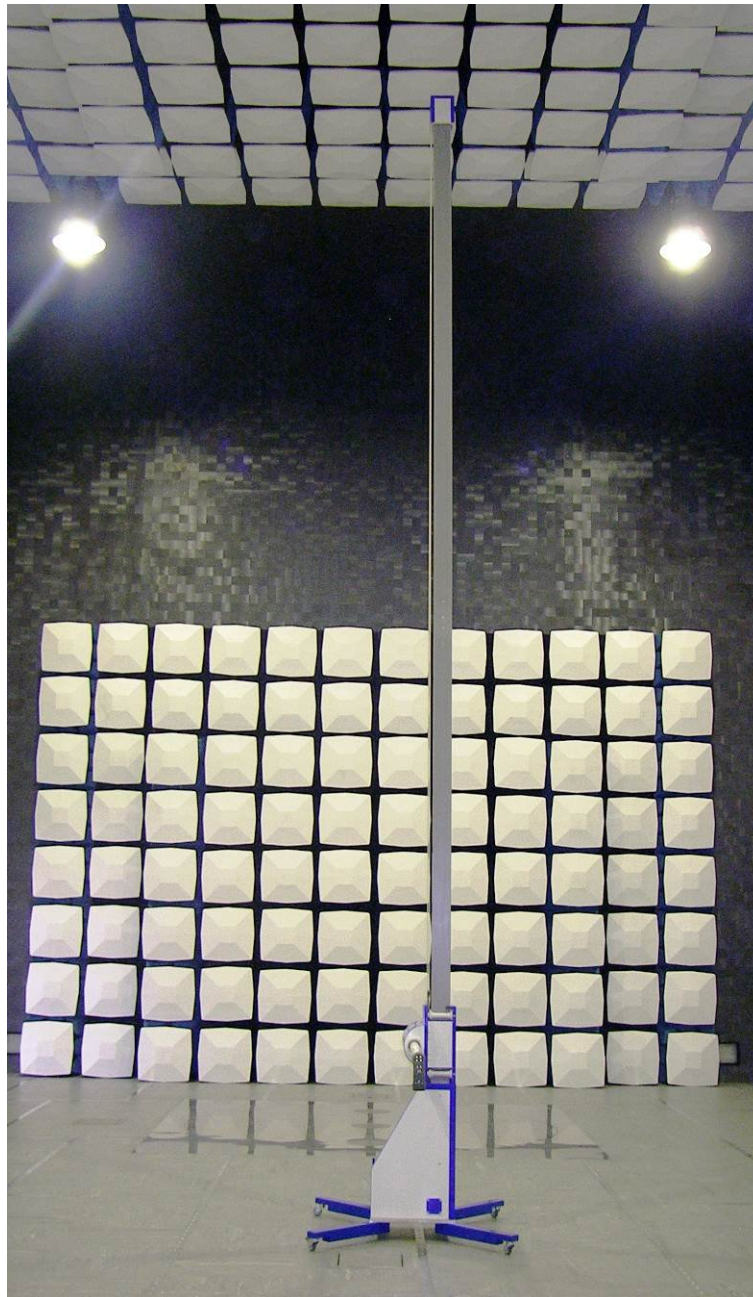
Brief description

The Antenna Mast **AM 6.0** 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.