

Dual Antenna Mast DAM 4.0-T

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 fibreglass weatherproof
Mast cross-section	0.1 m x 0.1 m (2 fibreglass tubes)
Base L x W	2.0 m x 1.0 m
Positioning speed adjustable between	1 to 10 cm/sec.
Positioning accuracy	+/- 1 cm
Polarisation	0°/90° (vert./hor.)
Positioning time 0°/90°	approx. 3 sec.
Tilt angle	+/- 45°
Tilt speed	7.5 °/sec.
Tilt accuracy	± 2°
Antenna support drive	4 toothed belts
Motor	Brushless DC motor 300 W
Drive unit	shielded and radio interference suppressed
Control cable	Fibre optic lines
Remote control via	IEEE interface
Current consumption	max. 3A
Voltage	208-230 VAC, 50/60 Hz, single phase
Temperature range	-15 °C...+35 °C
Total weight	280 kg
Accessories	Interface to MCU Controller 1.5 m power supply cable Service manual Counter weight

Brief description

The Dual Antenna Mast **DAM 4.0-T** is suitable in magnetic absorption chambers. The antenna mast, with the exception of the drive unit, is fabricated from plastic (PVC and reinforced fibreglass). The DAM 4.0-T has additionally an electrical tilt function of +/- 45°. 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**.