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Electric Antenna Stand EAS 1.0/1.5-10kg

Technical data:

Antenna height manually adjustable	1.0 m - 1.5 m
Total mast height	1.9 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 gravity center	
Material of antenna mast	Plastic and reinforced fiberglass
Mast cross section	101 mm x 95 mm
Base L x W	1.06 m x 0.73 m
Electric polarization	0° / 90° (vert. / hor.)
Polarization time	approx. 3 s
Motor	DC stepper motor
Antenna support drive Material of toothed belts	Toothed belt Kevlar reinforced (non-metallic)
Voltage	110 VAC – 230 VAC, 50 Hz / 60 Hz single phase
Current consumption	max. 16 A
Required RCD	300 mA
Control cable	Fiber optic lines
Remote control via	LAN (TCP/IP); (IEEE only with NCD)
Interference suppression	20 dB under limits DIN EN 55011:2018-05 class B
Operating temperature	10°C – 35°C
Total weight	approx. 35 kg
Accessories	Service manual 3 m power supply cable
Movable with 4 wheels	

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Brief description

The Electric Antenna Stand EAS 1.0/1.5-10kg is specifically designed for measurements in electromagnetic absorption chambers at a fixed measurement height. The antenna height can be adjusted manually.
The EAS 1.0/1.5-10kg, 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 polarization rotate around their axis to eliminate any elevation errors.

The LAN (TCP/IP) - interface provides an additional control option for all functions, when operated with the FCU$^{3.0}$ or NCD Controller.

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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