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Compact Antenna Mast CAM 4.0 - P - 12kg

Technical data:

Antenna height automatic adjustable	1.0 m – 4.0 m
Total mast height	4.5 m
Load capability	max. 12 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	1.3 m x 0.7 m
Position speed adjustable in combination with FCU3.0 in combination with NCD	 1.0 cm/s – 35 cm/s 1.0 cm/s – 20 cm/s
Position accuracy	+/- 0.5 cm
Pneumatic polarization	0° / 90° (vert. / hor.)
Polarization time	approx. 3 s
Polarization drive	Pneumatic rotary actuator
Control	Solenoid valve
Nominal pressure	max. 6 bar
Motor	DC stepper Motor
Antenna support drive	Toothed belt
Material of toothed belts	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 55011:2022-05 class B
Operating temperature	10° C – 35 ° C
Total weight	approx. 70 kg
Accessories	Service manual 3 m power supply cable 15 m pneumatic air hose 8 mm 1x pneumatic feed through

Brief description

The Compact Antenna Mast CAM 4.0-P-12kg 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 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.