

## Electrical Antenna Positioner EAP - 15kg

### Technical data:

Load capability	max. 15 kg
Rotating angle polarization (y-axis) electrically	0° - 135°
Speed polarization adjustable	0.5°/s – 18°/s
Polarization axis height electrical adjustable	1.0 m – 2.0 m
Positioning accuracy	+/- 0.5°
Linear movement range (y-axis) electrical	+/- 500 mm
Linear movement range (z-axis) electrical	+/- 500 mm
Speed linear adjustable	1 cm/s – 10 cm/s
Positioning accuracy linear	+/- 1 mm
Overall dimensions (L x W x H) in m	approx. 2.0 x 1.2 x 2.3
Motors	Synchronous servo motors
Drives	High accurate gears
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. 210 kg
Accessories	Wooden plates for absorber mounting Absorbers for covering Mounting plate for antennas Power supply cable Service manual

Other specifications upon on request

## Properties of the EAP

- Electrical antenna positioner for high accurate antenna measurement capabilities for both, near-field and far-field data acquisition
- 5G NR FR1 / FR2 OTA testing capabilities
- Independent moving of all motion axis
- Variable speed adjustments at all axis
- Readout by high accurate encoders
- Integrated rotary joint for EUT and antennas available upon request
- Easy installation and implementation in existing chambers

The **LAN (TCP/IP) - interface** provides an additional control option for all functions, when operated with the FCU<sup>3.0</sup> 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.