

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 55011:2018-05 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^{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.