

Field Probe Positionierer FPP 2.3/1.5

Technical Data

Field Probe height adjustment	from	0.8 – 2.3 m
Horizontal range		1.5 m
Overall height		2.7 m
Overall width		2.2 m
Load Capability		3 kg
Material		Plastics (mainly PVC and reinforced fibreglass)
Cross-section carrier tubes		60 mm x 60 mm
Positioning speed adjustable between		2.0 – 12.0 cm/s
Positioning accuracy		+/- 1 cm
Antenna Support Drive		Antistatic toothed belts (non-metallic)
Motor		Brushless DC motor 150 W
Drive unit		shielded and radio interference suppressed
Control cable		Fibre optic lines
Remote control via		IEEE interface
Current consumption	max.	2A
Voltage		208-230 VAC, 50/60 Hz, single phase
Temperature range		0 °C...+35 °C
Total weight		60 kg
Accessories		Interface to MCU Controller 1.5 m power supply cable 5m & 10m Fibre optic cable Service manual

Brief description

The biaxial Field Probe Positioner **FPP 2.3/1.5** is specifically designed for remote-controlled measurements at defined vertical areas. The system allows automatic measurements of the field homogeneity according to EN61000-4-3 and IEC61000-4-3.

Limit switches and the general mechanical design ensures reliable system operation.

The FPP 2.3/1.5, 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).

The **IEEE 488.2 (GPIB) bus** provides an additional control option for all functions, when operated with the **MCU Controller**.