

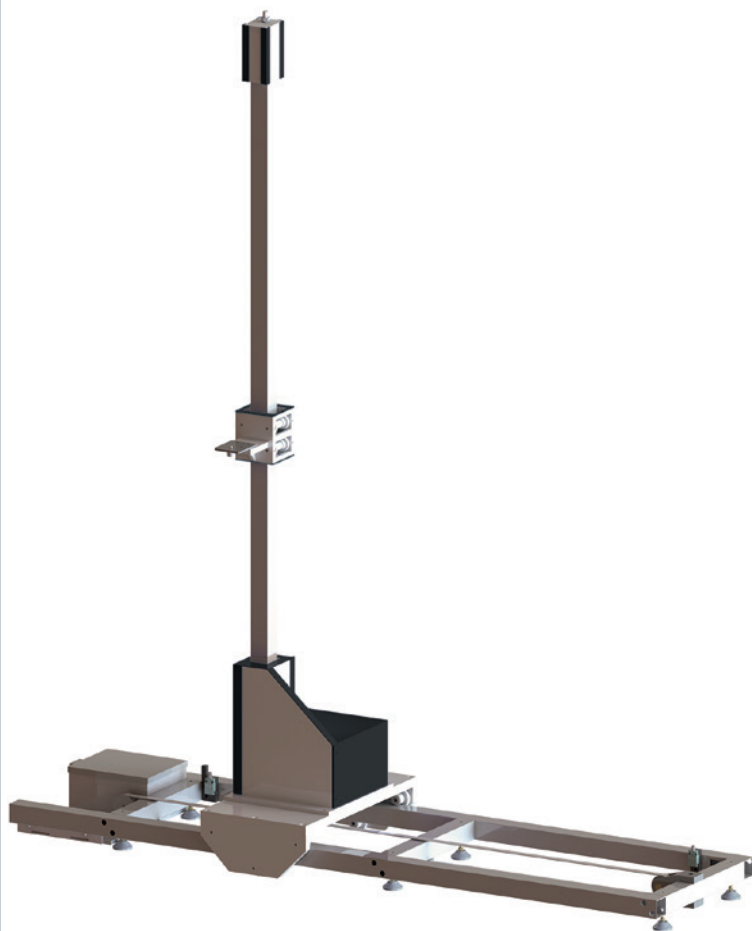
Field Probe Positioner

FPP-16

The Field Probe Positioner (FPP-16) is designed for remote-controlled, X-Y positioning in defined vertical areas. The system allows for automatic measurements of the field uniformity as per IEC 61000-4-3;. It automates the positioning of the field probe over the 1.5 m x 1.5 m, 16-point grid, over both polarizations, to greatly reduce the time and hassle of the field uniformity measurements.

Limit switches and the general mechanical design ensures reliable system operation. The FPP-16, 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). This allows for accurate measurements with negligible electromagnetic interference from the FPP-16 positioner. The IEEE 488.2 (GPIB) bus provides an additional control option for all functions, when operated with the MCU or NCD Controller.

Field Probe Positioner (FPP-16)



Product highlights

- Made out of plastic PVC and reinforced fibreglass
- Toothed belts out of kevlar reinforced (non metallic)
- Remote control via IEEE interface
- Control cable is in fibre optic line
- Two toothed belts as antenna support drive
- Brushless DC motors 200 W

Accessories

- Interface to MCU/NCD controller
- 1.5 m power supply cable
- 5 m and 10 m fibre optic cable
- Service manual

Specifications

PARAMETER	UNITS	POSITIONER MODEL
FPP-16		

PHYSICAL

Field Probe Height Adjustment	m	0.8 - 2.3
Overall Height	m	2.7
Overall Length	m	2.3
Horizontal Range	m	1.5
Total Weight (approx)	kg	40

OPERATIONAL

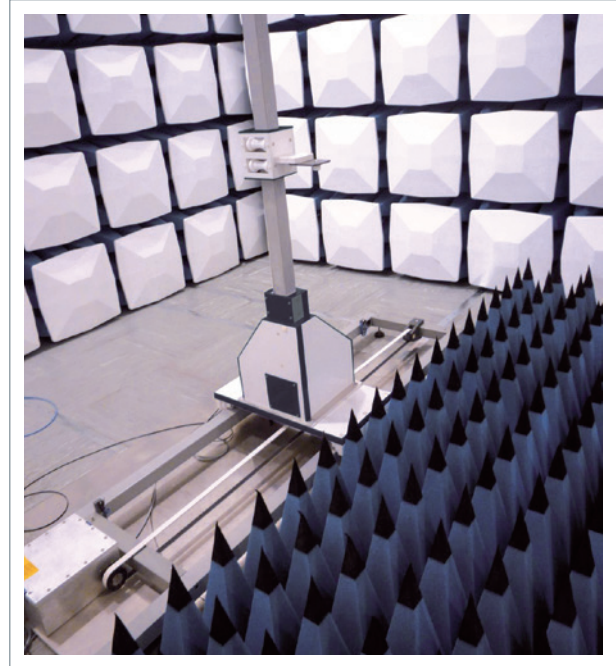
Load Capability	kg	3
Cross-section Carrier Tubes	mm	60 x 60
Rail Width	mm	650
Positioning Speed (adjustable)	cm/s	2.0 - 12.0
Positioning Accuracy	cm	± 1
Interference Suppression ⁽¹⁾	db	20
Current Consumption (max)	A	2
Voltage		208-230 VAC, 50/60 Hz, single phase
Discharge Current ⁽²⁾		25 mA per drive unit

ENVIRONMENTAL

Operating Temperature		+10° C to +35° C
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(1) Under limits EN 55022 class B

(2) Higher in the moment when powering on



ORDERING INFORMATION

- Refer to FPP-16 positioner



Contact your local sales representative for more information

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www.mvg-world.com/emc