

PP-02 Field Probe Positioner

Product Overview

The TDK PP-02 Field Probe Positioner is an x-y axis probe positioner designed for remote positioning applications. The positioner is controlled with the TDK RF Solutions SI-300 system interface, which reduces test interruptions by allowing test engineers to remotely position field probes during EMC/RF test procedures without opening the chamber door. With TDK TestLab™ software, the probe can also be positioned automatically.

IEC 1000-4-3 Compliant The PP-02 can be used as part of an automated field leveling and uniformity scheme over a defined vertical plane, satisfying IEC 1000-4-3 field uniformity measurement requirements.

During field uniformity measurements, remote positioning of the probe eliminates 32 manual position changes (16 horizontal, 16 vertical) reducing test times up to 20%; for test facilities that use two antennas to cover the frequency, the PP-02 eliminates 64 manual position changes.

No E-Field Interference The PP-02 is non-obtrusive to the test environment because of its DC battery supply, fiber optic transmission system, and non-conductive construction. This allows accurate measurements to be made without electric field interference from the positioner.

Applications

- IEC 1000-4-3 field uniformity measurements
- Automotive requirements for Expanded Field Grid Mapping
- Multiple point planar grid mapping for Electric Field Distribution



The TDK PP-02 Field Probe Positioner permits remote x-y positioning in EMC test environments. The PP-02 supports field uniformity schemes as well as flexible grid definitions for a variety of test requirements.

Features

- Field-leveling software interfaces with probe positioner to perform various field uniformity measurements
- Flexible grid definitions for a variety of test requirements
- Non-conducting and rugged construction
- Controlled with the SI-300 system interface
- Powered by rechargeable batteries
- Fiber optic cables
- Vertical axis detaches easily for storage

PP-02 Field Probe Positioner

Electrical Specifications

Power Requirements: 48 volts DC, 3 amp power supply

Mechanical Specifications

Overall Dimensions:

Height: 300 cm (118 in.)
 Length: 241 cm (95 in.)
 Width: 74 cm (29 in.)
 Weight: 35 kg (77.6 lbs.)
 Construction: Non-conductive plastic, fiberglass, acetal, and polycarbonates
 Finish: Preventive water absorption seal

Environmental Specifications

Operating Range: 0° to +40° C
 Thermal Ratings: -10° to +50° C

Ordering Information

Product: Field Probe Positioner
 Model Number: PP-02
 Warranty: 1 year

To place an order or to learn more about the TDK products that best meet your needs, contact your TDK sales representative:

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