

# CP-02 Clamp Positioner

## Product Overview

The TDK CP-02 Absorbing Clamp Positioner is a positioner designed for remote positioning applications of absorbing clamps as per CISPR 14. 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.

The CP-02 can be used as part of an automated field leveling and uniformity scheme over a defined vertical plane. The clamp tray can fit all commercially available measuring clamps.

**No E-Field Interference** The CP-02 is non-obtrusive to the test environment because of its fiber optic transmission system, and non-conductive construction. This allows accurate measurements to be made without electric field interference from the positioner. The motor box is shielded with a stepper motor with control, and a grooved pulley and belt system.

## Applications

- CISPR 16
- CISPR 14



**The TDK CP-02 Absorbing Clamp Positioner permits positioning in EMC test environments. The CP-02 can be easily controlled with an optional SI-300, fiber optic cables, and TDK TestLab software.**

## Features

- Adjustable positioning speeds
- Non-conducting and rugged construction
- High positioning accuracy

## Options

- Field-leveling software interfaces with absorbing clamp positioner to perform various measurements (TDK TestLab EMI-LAB)
- Controlled with the optional TDK SI-300 system interface
- Fiber optic cables
- High positioning accuracy

# CP-02 Clamp Positioner

## Electrical Specifications

Power Requirements:	115 V/230 V
Current Consumption:	max 1.6 A
Motor:	Electronic EC Motor, 150 W

## Mechanical Specifications

Overall Dimensions:	
Height:	80 cm (31.5 in)
Length:	610 cm* (240 in)
Width:	30 cm (12 in)
Measuring Length:	530 cm* (209 in)
Positioning Speed:	1 m /35 sec (min) to 1 m/5 sec (max)
Positioning Accuracy:	+/- 1 cm
Permissible Load:	10 kg
Weight:	35 kg (77.6 lbs)
Drive:	Grooved Belt
Construction:	Non-conductive plastic, fiberglass, acetyl, and polycarbonates
Finish:	Preventive water absorp- tion seal

## Environmental Specifications

Operating Range:	0° to +35° C
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## Ordering Information

Product:	Clamp Positioner
Model Number:	CP-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:**

**TDK RF Solutions Inc.**  
1101 Cypress Creek Rd.  
Cedar Park, Texas 78613 USA  
Phone: 1-512-258-9478  
Fax: 1-512-258-0740  
E-mail: [info@tdkrf.com](mailto:info@tdkrf.com)  
World Wide Web: [www.tdkrfsolutions.com](http://www.tdkrfsolutions.com)



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