

SI-300 System Interface

Product Overview

Multi-Purpose Solution The TDK RF Solutions SI-300 controller is a multi-purpose system interface designed for manual or computer controlled EMC test systems. The SI-300 provides a user-friendly method for controlling field sensors, turntables, masts, probe positioners, local and remote switch modules, and our line of color video cameras. The SI-300 controls up to four devices.

Flexibility The SI-300 can be a rack mounted or used as a stand alone unit. The SI-300 rear panel can be configured to contain either up to 4 fiber optic audio or video receivers with a 1 to 4 distribution card or up to 4 RF switches, depending on your application.

Fiber Optic Links Non-intrusive fiber optic links control the remote devices, eliminating the interference that may be associated with conventional control cabling.



The TDK RF Solutions SI-300 is a menu driven, multi-purpose solution specifically designed to integrate and control a wide variety of instruments used in EMC test systems.

Features

- Menu driven, multi-purpose system interface
- Graphical 240 x 64 LCD display
- Fiber optic control of remote devices
- Easy to operate ergonomic controls
- GPIB control for front panel functions
- Optional built-in fiber optic video receiver with AGC
- Optional built-in audio receiver
- Optional built-in 1 to 4 video distribution card
- Optional built-in RF switches

Applications

- Field Probe Data Acquisition
- Turntable Control
- Antenna Mast Control
- Probe X-Y Positioner Control
- Antenna X-Y Positioner Control
- Local and Remote RF Switching Control
- Camera Control

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Interfacing Capabilities

RF Field Probes

Emission Positioning Devices

- Turntable
- Antenna mast/polarizer
- Absorption clamp

Immunity Positioning Interfaces

- X-Y Probe Positioner
- X-Y Antenna Positioner
- Antenna mast/polarizer

RF Switch Interface

- Control Remote Switches
- Control Local Switches on Rear Panel
- Camera Interface
- IEEE-488 Computer Interface

Fiber Optic Interfaces

- Communication: 62.5-micron glass
- Video Communication: 62.5-micron glass

Electrical Specifications

Power Requirements	100-240 VAC, 50-60 Hz, 45 W
Communication Media	Fiber optic cable (ST connectors); Bi-direction asynchronous serial
Display Resolution	240 x 64 backlit LCD
Channel Capacity	4 fiber channels

Ordering Information

Product:	System Interface
Model Number:	SI-300
Warranty:	1 year

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

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