

# SI-300 System Interface

## Product Overview

**Multi-Purpose Solution** The TDK 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, and local and remote switch modules (depending on configuration chosen).

**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 up to 4 channels 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 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 RF switches

## Application Options

- 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

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## Interfacing Capability Options

### RF Field Probes

- Magnetic and Electric types supported

### Emission Positioning Devices

- Turntable
- Antenna mast/polarizer
- Absorption clamp

### Immunity Positioning Interfaces

- X-Y Probe Positioner
- Antenna mast/polarizer

### RF Switch Interface

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

### Fiber Optic Interface

- Communication: 62.5-micron glass

## RF Field Monitoring

- Frequency Range: 10 kHz to 40 GHz
- Measurement Range: 0.1 V/m to 1000 V/m
- Channels: 4 channel display
- Display: X, Y, Z and Resultant
- Diagnostic: Error, Low Battery

## Electrical/Environmental 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 products that best meet your needs, contact your TDK sales representative:**

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