

DAPS-01 Dual Antenna Positioning System

Product Overview

The TDK DAPS-01 Dual Antenna Positioning System consists of a dual antenna mast with integrated turntable and SI-300 system interface. The DAPS-01 is specifically designed for remote positioning of two antennas, both in the horizontal and vertical planes, during EMC testing. The DAPS-01 simplifies testing by allowing the user to test continuously across two antenna bandwidths without interruption.

Remote Control The DAPS-01 is remotely controlled by the TDK SI-300 system interface unit. A single independent control unit is used to handle the turn axis and the polarization sense.

Fiber Optic Link Remote control of the positioning system is achieved by use of fiber optic links, eliminating a potential interference source and distance limitations.

Custom Dimensions The dimensions of the positioning system mast and turntable are dependent on the customer's required illumination area. Dimensions are limited only by the maximum length of cable that is used.



The TDK DAPS-01 Dual Antenna Positioning System is designed to simplify testing by enabling remote positioning of two antennas in EMC test environments.

Features

- Remote independent vertical and horizontal polarization
- Compatible with the TDK SI-300 system interface
- Fiber optic interface
- Custom dimensions to meet customer requirements
- Shielded remote modules for use in high field environments
- Universal linear power supply

DAPS-01 Dual Antenna Positioning System

System Components

- Dual Antenna Mast with Integrated Turntable
- SI-300 System Interface
- One set of fiber optic cables

Mechanical Specifications

Dimensions:	2.16 m H x 1.65 m D (85" x 65")
Adjustable Height:	1 - 2 m (39" - 79")
Polarization:	Automatic horizontal and vertical polarization
Cross-Boom Loading:	20 kg (44 lbs.)
Mast Weight:	30 kg (67 lbs.)
Turntable Weight:	35 kg (77 lbs.)
Construction:	Non-conductive fiber- glass and ABS plastic

Electrical Specifications

Voltage:	115/230
Amp:	4/3A
Hertz:	50/60 Hz
Phase:	1 ϕ
Source Air:	Regulated to 20 psi
Flow Rate:	Regulated to 5 SCFM

Ordering Information

Product:	Dual Antenna Positioning System
Model Number:	DAPS-01
Warranty:	1 year limited

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: trs.sales@tdk.com
World Wide Web: www.tdkrfsolutions.tdk.com

TOTAL RF EXPERTISE™



www.tdkrfsolutions.com

To learn more about TDK's wide range of innovative test products, solutions and services visit www.tdkrfsolutions.com

Copyright © TDK RF Solutions Inc. All rights reserved. Specifications subject to change without notice.

Rev. 2022-05-10