

Phased Array Antenna Controller

581968 (9613-00)

FESTO

LabVolt Series

Datasheet



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Table of Contents

General Description	3
Specifications	3

General Description

The Phased Array Antenna Controller is used for beam steering control of the Phased Array Antenna (PAA). It allows the PAA to be operated in the following three different scan modes: manual, continuous, and PRF locked (radar PRF dependent). The beam sequence (i.e., the order in which the beams are scanned) can be either linear or pseudo-random, or consists of even-numbered beams only (skips over every second beam). A 3-digit display on the front panel of the Phased Array Antenna Controller indicates the number of the selected beam, the angular position of the beam or the scan speed.

* WARNING: This equipment is subject to export control. Please contact your sales representative to know if this product can be imported in your region.

Specifications

Parameter	Value
Scan Mode	Manual, Continuous, and PRF Locked
Scan Speed (Continuous Scan Mode)	Selectable, 54, 90, 135, 270, 540, 810, and 1080 scans/min
Beam Sequence	Incremental, Pseudo-Random, and Even
Trigger Inputs	TTL
Azimuth Output	10-bit TTL
Control Output	TTL
Physical Characteristics	
Dimensions (H x W x D)	112 x 330 x 300 mm (4.4 x 13.0 x 11.8 in)
Net Weight	3.2 kg (7.1 lb)

Reflecting the commitment of Festo Didactic to high quality standards in product, design, development, production, installation, and service, our manufacturing and distribution facility has received the ISO 9001 certification.

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