

# Phased Array Antenna Controller

## 581968 (9613-00)

**FESTO**

LabVolt Series

Datasheet



\* The product images shown in this document are for illustration purposes; actual products may vary. Please refer to the Specifications section of each product/item for all details. Festo Didactic reserves the right to change product images and specifications at any time without notice.

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## 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
<b>Scan Mode</b>	Manual, Continuous, and PRF Locked
<b>Scan Speed (Continuous Scan Mode)</b>	Selectable, 54, 90, 135, 270, 540, 810, and 1080 scans/min
<b>Beam Sequence</b>	Incremental, Pseudo-Random, and Even
<b>Trigger Inputs</b>	TTL
<b>Azimuth Output</b>	10-bit TTL
<b>Control Output</b>	TTL
<b>Physical Characteristics</b>	
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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