

# Analog/Digital Signal Combiner 8112776 (9630-10)

**FESTO**

LabVolt Series

Datasheet



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## General Description

The Analog/Digital Signal Combiner is a compact module designed to be installed into one of the slots on the RTM of the Radar Processor/Display. This module converts the clutter and interference generated by the DSP of the RTM to analog format, and adds it to the I- and Q-channel echo signals coming from the Radar Receiver.

The Analog/Digital Signal Combiner has two BNC-connector inputs to receive the I- and Q-channel echo signals. It also has four BNC-connector outputs. Two outputs provide the clutter and interference signals added to the I- and Q-channel echo signals. The other two outputs provide the I- and Q-channel, perturbed echo signals. All these inputs and outputs are protected from misconnections within the system. Test points are available on the module's front panel to observe all these signals using a conventional oscilloscope.

DC power is automatically supplied to the Analog/Digital Signal Combiner when it is installed into the RTM.

## Specifications

Parameter	Value
<b>Analog Inputs (2)</b>	
Voltage Range	-10 to +10 V
Impedance	10 k $\Omega$
<b>Analog Outputs 3 and 4</b>	
Voltage Range	-1 to +1 V
Impedance	600 $\Omega$
<b>Analog Outputs 5 and 6</b>	
Voltage Range	-11 to +11 V
Impedance	600 $\Omega$
<b>Tests Points</b>	
Test Points	6
<b>Physical Characteristics</b>	
Dimensions (H x W x D)	114 x 110 x 209 mm (4.5 x 4.3 x 8.2 in)
Net Weight	0.6 kg (1.4 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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**Festo Didactic SE**

Rechbergstrasse 3  
73770 Denkendorf  
Germany

P. +49(0)711/3467-0  
F. +49(0)711/347-54-88500

**Festo Didactic Inc.**

607 Industrial Way West  
Eatontown, NJ 07724  
United States

P. +1-732-938-2000  
F. +1-732-774-8573

**Festo Didactic Ltée/Ltd**

675 rue du Carbone  
Québec QC G2N 2K7  
Canada

P. +1-418-849-1000  
F. +1-418-849-1666

**[www.labvolt.com](http://www.labvolt.com)**

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