

Nacelle Simulator

582189 (3297-00)

FESTO

LabVolt Series

Datasheet



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General Description

The Nacelle Simulator replicates the main functionalities of a wind turbine. It is designed to measure the speed and direction of the wind so that a PLC can control the position of the nacelle to optimize its operation. Two limit switches with NO and NC contacts allow monitoring of the number of rotations of the nacelle.

Specifications

Parameter	Value
Power Requirements	24 V dc - 0.6 A
Motor Ratings	
Power	3.04 W
Max Speed	4.2 r/min
Analog Wind Direction Output	0-10 V dc
Wind Speed Output	24 V dc
Turn Counter Switch Ratings	2 A - 24 V dc
Turn Limit Switch Ratings	0.1 A - 24 V dc
Physical Characteristics	
Dimensions (H x W x D)	397 x 235 x 140 mm (15.6 x 9.3 x 5.5 in)
Net Weight	2.9 kg (6.4 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

www.festo-didactic.com