

# 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
<b>Power Requirements</b>	24 V dc - 0.6 A
<b>Motor Ratings</b>	
Power	3.04 W
Max Speed	4.2 r/min
<b>Analog Wind Direction Output</b>	0-10 V dc
<b>Wind Speed Output</b>	24 V dc
<b>Turn Counter Switch Ratings</b>	2 A - 24 V dc
<b>Turn Limit Switch Ratings</b>	0.1 A - 24 V dc
<b>Physical Characteristics</b>	
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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