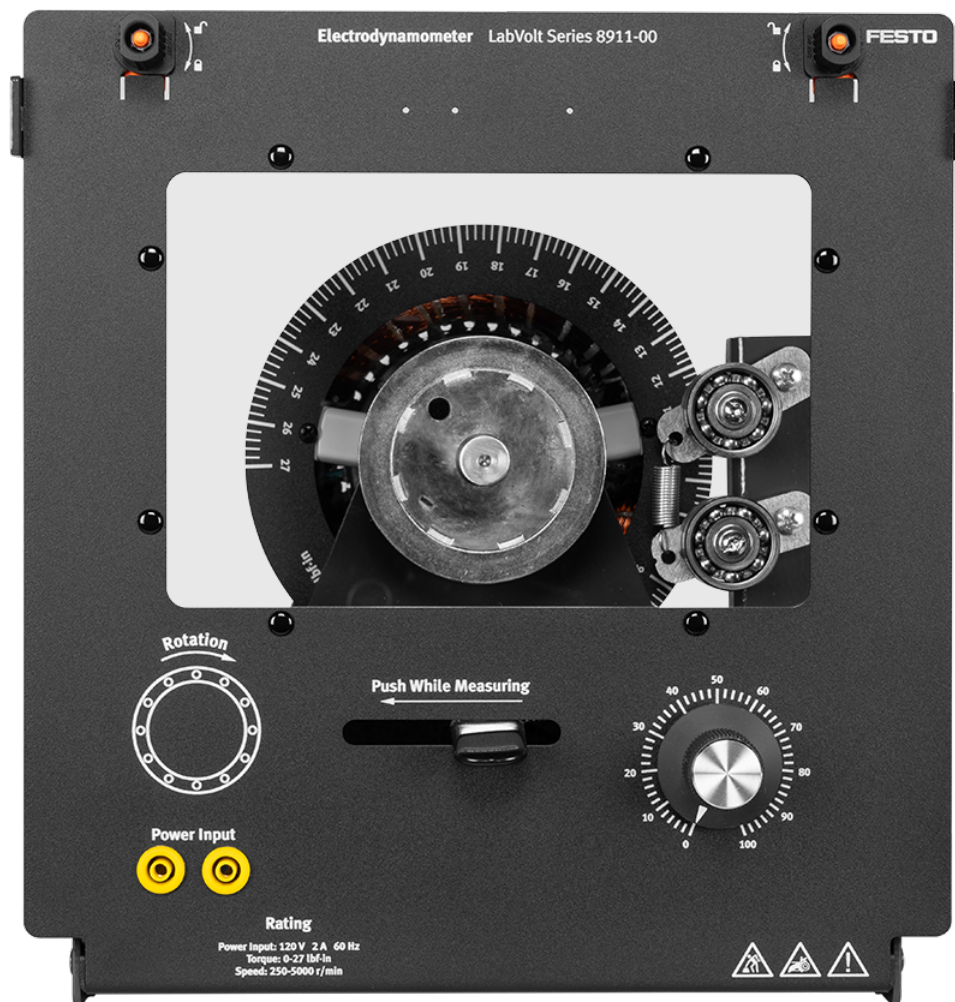


Electrodynamometer, Imperial Units 586856 (8911-00)

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.

Festo Didactic
en 120 V - 60 Hz
11/2024

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General Description

The Electrodynamicometer is made of a squirrel-cage rotor fitted in a dc-excited stator. Mechanical loading is achieved by increasing the stator field current, which generates eddy currents in the driven rotor. The stator is trunnion-mounted on ball bearings and rotates against a helicoidal spring to oppose braking torque.

The front-end bell is provided with a circular scale that indicates the torque developed. The circular scale is graduated in Imperial units (lbf-in). A damper lever is located underneath the dynamometer to prevent oscillation if the power supply is applied while the dynamometer is turning. To measure the torque, this lever can be pushed to adjust and read the torque. The Electrodynamicometer is electrically powered from standard fixed ac line supply.

The Electrodynamicometer can be coupled to a 0.2 kW drive motor through the use of the Timing Belt, Model 8942. The faceplate can be lowered to provide access to the inside for coupling the Electrodynamicometer to the drive motor. When closed, the faceplate is secured by two quick-lock fasteners.

A variant of the model expressing values in the International System of Units (SI) is also available (see Model 8911-1).

Specifications

Parameter	Value
Rating	
Torque Range (8911)	-3 to +27 lbf-in
Speed	250 to 3000 r/min
Accuracy	2%
Input Voltage	120 V – AC
Input Current	2 A
Physical Characteristics	
Dimensions (H x W x D)	308 x 291 x 490 mm (12.1 x 11.5 x 19.3 in)
Net Weight	17.4 kg (38.3 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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