

Software Development Kit (SDK)

581441 (8968-70)

FESTO

LabVolt Series

Datasheet



Festo Didactic
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The Software Development Kit (SDK) offers the possibility to control the Four-Quadrant Dynamometer/Power Supply, with third-party rapid prototyping software like Mathworks® MATLAB, National Instruments® LabVIEW, Microsoft Visual Studio or other programming tools that support Microsoft® .NET Framework 4.0. The functions available in the Software Development Kit allow control of the Four-Quadrant Dynamometer/Power Supply in both Dynamometer and Power Supply operating modes.

The SDK includes the following:

- DLL files for communication with the Four-Quadrant Dynamometer/Power Supply
- Documentation related to the functions
- MATLAB (2010 or later), LabVIEW (2009 or later) and Visual Studio C# (2012 or later) example programs
- Binaries from the C# example. This application can be used to verify that your PC configuration is compatible with the SDK.

Available functions in the Dynamometer operating mode:

- Two-Quadrant, Constant Torque Brake
- CW and CCW, Prime Mover/Brake
- CW and CCW, Constant-Speed Prime Mover/Brake
- Positive and Negative, Constant-Torque Prime Mover/Brake
- Four-Quadrant, Constant-Speed Prime Mover/Brake

Available functions in the Power Supply operating mode:

- Voltage Control
- Current Control
- AC Power Source

Important Notice: One SDK must be ordered for each Four-Quadrant Dynamometer/Power Supply to unlock the SDK features.

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