

Hydraulics Simulation Software (LVSIM[®]-HYD) 6385



LabVolt Series

Datasheet

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General Description

The Hydraulics Simulation Software (LVSIM®-HYD) from LabVolt was replaced by FluidSIM, the world's leading circuit diagram design and simulation program for pneumatics, hydraulics, and electrical engineering.

- [FluidSIM](#)

Click on the link for more information about FluidSIM (topic coverage, license options, etc.) and download a demo version.

Please note that the license option listed below are shown for information purposes only:

Features

LVSIM®-HYD enables students to perform the following tasks using a computer:

- Install, move, and remove hydraulic components and electrical control devices.
- Modify or remove connections at any time.
- Zoom in or out to adjust the view.
- Perform flow, pressure, force, velocity and rotation speed measurements.
- Observe motor rotation, as well as the extension and retraction of cylinder rods.
- Observe fluid flow inside hydraulic components.
- Save and restore equipment setups (including the virtual classroom laboratory environment).

Hydraulics Equipment

The following components from the actual Hydraulics Training System are simulated in LVSIM®-HYD:

- Work Surface
- Power Unit
- Directional Valve, Lever-Operated
- Flow Control Valve
- Relief Valve
- Pressure-Reducing Valve
- Directional Valve, Double-Solenoid Operated
- Directional Valve, Single-Solenoid Operated
- Sequence Valve
- Flow Control Valve, Pressure Compensated
- Check Valve
- Double-Acting Cylinder, 2.5 cm Bore
- Double-Acting Cylinder, 3.8 cm Bore
- Bidirectional Motor and Flywheel
- Pressure Gauge
- Flowmeter
- DC Power Supply
- Push-Button Station
- Limit-Switch Assembly
- Relay
- Time-Delay Relay / Counter
- Pilot-Lamp Station
- Pressure Switch
- Magnetic Proximity Switch
- Diffuse Reflective Photoelectric Switch
- Loading Device
- Manifold

Computer Requirements

A currently available personal computer running under one of the following operating systems: Windows® XP, Windows® Vista, Windows® 7, and Windows® 8.

Description

**Manual
number**

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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