

# Pneumatics Simulation Software (LVSIM<sup>®</sup>-PNEU)

6485-00



LabVolt Series

Datasheet

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## General Description

The Pneumatics Simulation Software (LVSIM®-PNEU) 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®-PNEU enables students to perform the following tasks using a computer:

- Install, move, and remove pneumatic 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 pneumatic components.
- Save and restore equipment setups (including the virtual classroom laboratory environment).

## Equipment Box Items

- The following components from the actual Pneumatics Training System are simulated in LVSIM®-PNEU:
- Work Surface
- Air Compressor
- Conditioning Unit
- Accumulator
- Vacuum Generator
- Directional Valve, Push-Button Operated
- Flow Control Valve
- Directional Valve, Double-Air-Pilot Operated
- Directional Valve, Double-Solenoid Operated
- Directional Valve, Single-Solenoid Operated
- AND Function Valve
- Shuttle Valve
- Quick Exhaust Valve
- Pressure Regulator
- Single-Acting Cylinder
- Double-Acting Cylinder
- Bidirectional Motor
- Air Bearing
- 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
- Tee

## 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**

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