

OVERALL DESCRIPTION

The Lab-Volt Industrial Wiring Training System, Model 46102, faithfully reproduces an industrial environment where students can develop their skills in the installation and wiring of industrial electrical equipment, in compliance with the National Electrical Code® (NEC®). The system can also be used to teach how to adjust and maintain industrial electrical equipment as well as enforce the safety rules to be followed when working at industrial sites.

Due to its modular design, the Industrial Wiring Training System can be configured to fit various training needs. A versatile, mobile workstation is the basis of the system. The following equipment packages, tool packages, and industrial application packages are available to adjust the curriculum to various training levels:

- Enclosures and Conduits
- Enclosure and Conduit Tools
- Service Entrance
- Electrical Wiring
- Electrical Wiring Tools
- Three-Phase Motor with Forward Starter, Forward/Reverse Starter, and Soft Starter
- AC Motor Drive with Inverter Duty Motor
- PWM and SCR DC Motor Drives with DC Shunt Motor
- Distribution Panel
- Inertia Load Application
- Blower Application
- Clamp-On Ammeter

The above packages consist of industrial-type equipment and tools for realistic training. Packages of consumable goods like conduits, conduit fittings, dummy electrical enclosures and boxes, reels of electrical wire, etc. are also available.

Industrial Wiring Training System

Model 46102



Lab-Volt®

(732) 938-2000 / 800-LAB-VOLT, FAX: (732) 774-8573, E-MAIL: us@labvolt.com
 (418) 849-1000 / 800-LAB-VOLT, FAX: (418) 849-1666, E-MAIL: ca@labvolt.com
 INTERNET: <http://www.labvolt.com>

ELECTRICAL WIRING

The equipment and tool packages for Electrical Wiring teach the student how to wire industrial equipment according to the National Electrical Code® (NEC®), through the complete installation of a garage door simulator.



SAFETY

Safety for any electrician begins by following proper lockout / tagout procedures as required by the Occupational Safety and Health Administration (OSHA). The system is provided with lockable cutout switches and lockout / tagout devices to help the student develop good safety habits.



MOBILE WORKSTATION

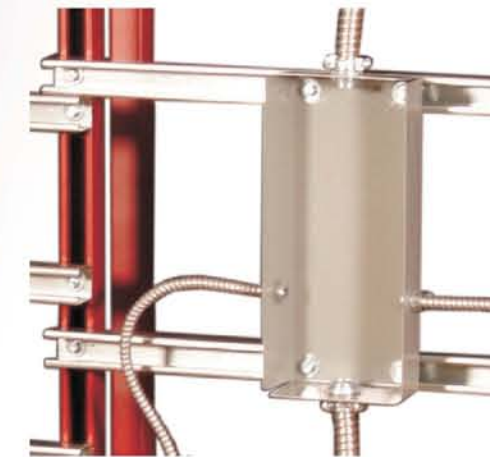
The mobile workstation is provided with the following features:

- Swivelling casters with a lock mechanism for easy motion as well as stable operation.
- Sized so as to fit through standard door openings.
- Can support up to four equipment setups at the same time (i.e. four student groups can work on a single workstation at the same time).
- Two or more equipment setups can be grouped together to form complex industrial applications.



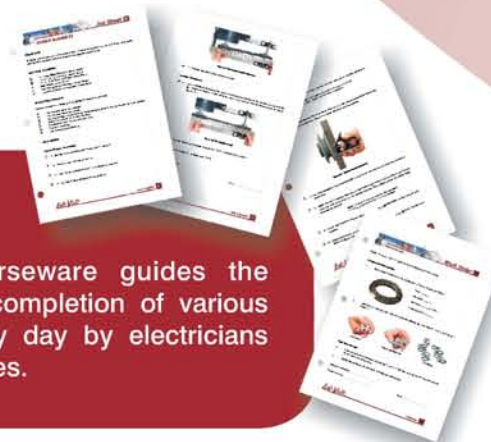
ENCLOSURE AND CONDUIT INSTALLATION

The equipment and tool packages for Enclosures and Conduits provide the necessary components to install electrical enclosures and conduits in an industrial environment.



CURRICULUM

Fully illustrated courseware guides the student through the completion of various tasks performed every day by electricians working at industrial sites.



Lab-Volt®

SYSTEM FLEXIBILITY

A selection of equipment packages and industrial application packages allows the system to meet a wide range of training objectives.

