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**Product Name :**  
Solar Thermal Troubleshooting Closed Loop Learning System

**Product Code :**  
LBNY-0005-1930002



### **Description :**

Solar Thermal Troubleshooting includes all components needed to develop hands-on, job-ready skills. The learning system contains a mobile workstation, multiple component circuit panels, two solar collectors, and fault insertion. An optional sun simulator is available to facilitate classes indoors when outdoor conditions do not support solar heating.

Installing and maintaining Solar Thermal Closed Loop Systems requires hands-on troubleshooting ability across both drain back and pressurized systems. Likewise, engineers and designers need to understand the technologies utilized by these systems.

Solar Thermal Troubleshooting teaches learners about connecting, operating, programming, and troubleshooting both drain back and pressurized systems. The curriculum is presented in a highly-interactive, multimedia format that allows learners to use the learning style best for them: reading, listening, or visual. Solar Thermal Troubleshooting supports the Certified Solar Thermal System Installer. Solar Thermal Troubleshooting Closed Loop Learning System allows learners to develop the specialized skills and knowledge needed for working with the two common types of thermal closed-loop systems: drain back and pressurized.

### **Two Types of Closed Loop Thermal Systems:**

Includes the components needed to configure either system, including both an expansion tank and drain back tank. Learners will switch between the two systems with valving. Solar technicians will encounter both drain back and pressurized closed-loop solar thermal systems. Across any given region that experiences freezing conditions, both of these systems are used extensively.

### **Features:**

Fault Insertion for both Electrical and Fluid Systems

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Balance of System Components  
Two Types of Closed-Loop Thermal Systems  
Replicates Real-World Thermal Systems

**Technical Specification :**

**Requirements:**

Solar Thermal Charging Station  
Solar Thermal Sun Simulator.



**Laboratory Instrument India**