



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Chiller Units Training Bench With Open Signal Access

**Product Code :**  
LBNY-0005-14100015



www.laboratoryinstrumentindia.com

**Description :**

A connection panel that allows open signal access to connect a compatible controller e.g. the PLC Trainer with Software for controlling the training bench operation. The has been designed and manufactured to incorporate all current safety standards. The refrigerant used complies with anti-pollution legislation.

Chiller Units Training Bench with Open Signal Access that is designed to allow the theoretical and practical studies into the operation and use of chiller units and the use of an intermediate fluid (a mixture of water and anti-freeze), for the transport of cooling power form the cooling production plant to the user site.

The allows students to become familiar with plant start-up and operational safety checks, control and system operating parameters and calculation of thermal balances and efficiencies.

**Experiments:**

Study and understanding of the operation of a chiller unit

Plant start-up and system monitoring using the incorporated protection and safety devices

On-off control of the cooled water temperature

Safety control using the high and low pressure switch and flow switch.

**Technical Specification :**

Detecting the system operating parameters:

Calculation of thermal balances for the refrigerant and water circuit

Plotting of the refrigerant cycle on a pressure-enthalpy diagram of the refrigerant gas.



**Laboratory Instrument India**