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Product Name :
Chiller Units Training Bench with Industrial PLC Controller

Product Code :
LBNY-0005-1410008



Description :

Experiments:

Study and understanding of the operation of a chiller unit
Detecting the system operating parameters
Plotting of the refrigerant cycle on a pressure-enthalpy diagram of the refrigerant gas
On-off control of the cooled water temperature
Plant start-up and system monitoring using the incorporated protection and safety devices
Calculation of thermal balances for the refrigerant and water circuit
Safety control using the high and low pressure switch and flow switch.

Technical Specification :

Water circuit including:
Flow switch
Centrifugal pump
Air heat exchanger
Refrigeration circuit equipped with:
High and low pressure gauges
Thermostatic expansion valve
Dehydrator Filter and sight glass
Hermetic compressor with protector
Forced air condenser
Double pressure switch
Valve for plant vacuum, refrigerant charging and recovery

Water evaporator
Liquid receiver and liquid separator.



Laboratory Instrument India