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Product Name :
Absorption Refrigeration Demonstrator

Product Code :
LBNY-0005-18800012



Description :

An electrically driven ammonia-water Absorption Refrigeration Demonstrator with insulated chiller compartment. All major components of the refrigeration system: generator, absorber, condenser and reservoir are visible. Digital wattmeter to give instantaneous indication of generator heater input and evaporator load. Variable electrical load inside the freezer compartment. Variable generator heater. Instrumentation: Digital temperature indicator. Optional Computerised Data Acquisition System.

Technical Specification :

The system allows the ammonia generator and evaporator load to be independently varied and measured using the wattmeter. On the Absorption Refrigeration Demonstrator all of the main absorption cycle components are visible at the rear of the unit. An instrumentation console with digital wattmeter and multi-way temperature indicator allow all of the important system parameters to be recorded. Absorption Refrigeration Demonstrator allows the system start to fully operational condition to be monitored, which aids student understanding plus the system performance variation with change of load. An optional computerised Data Acquisition system allows all 10 thermocouples to be monitored as well as the ammonia generator power consumption and load current and voltage. All parameters can be monitored and plotted against time or transferred to a spreadsheet for analysis.



Laboratory Instrument India