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**Product Name :**  
Computerized Refrigeration Study Unit With Mass Energy Balance

**Product Code :**  
LBNY-0005-11700023



[www.laboratoryinstrumentindia.com](http://www.laboratoryinstrumentindia.com)

**Description :**

The Computerized Refrigeration Study Unit With Mass Energy Balance is an extremely easy-to-use and functional unit able to permit the study of a compression frigorific cycle and the evaluation of the cycle efficiency and the energy balance at the evaporator and at the condenser. A front panel with mimic diagram and instrumentation allows to keep the most significant thermodynamic quantities under control, so facilitating the students understanding and the teachers task. The unit is supplied with manuals which describe the components, the installation and utilization procedures as well as many exercises with experimental results. Moreover, the transducers and the dedicated software allows the data acquisition of the main thermodynamic quantities and to obtain or as a table or as a graph, the acquired values and the thermodynamic calculated quantities. The unit allow the study of the main thermodynamics quantities as a function of the thermal load at the evaporator and the calculation of the power required at the compressor shaft.

**Technical Specification :**

Computerized Refrigeration Study Unit With Mass Energy Balance  
Dimensions: 600 x 600 x 1530 h mm  
Net weight: 160Kg  
Computerized Refrigeration Study Unit With Mass Energy Balance  
Water consumption 80 l/h approx  
Compressor power 2.2 kW at 1500rpm.



**Laboratory Instrument India**