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**Product Name :**  
Low Temperature Refrigeration Study Unit

**Product Code :**  
LBNY-0005-11700030



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

**Description :**

The Low Temperature Refrigeration Study Unit is an extremely easy-to use and functional unit able to permit the study of a low temperature refrigerating cycle through a simple compression refrigerating cycle. 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 allows the study of this cycle and particularly the influence of the temperature of the body to be cooled. Moreover it is possible to evaluate the cycle performances, hence the heat exchange when the body temperature changes. The main characteristic of the Low Temperature Refrigeration Study Unit is that to enable the student to study the low temperature refrigerating cycles, hence the properties of the low temperature heat exchanges, particularly the non-stationary low temperature heat exchange, as a function of the temperature of the body to be cooled. The unit is supplied with a manual which describes the components, the installation and utilization procedures as well as many exercises with experimental results.

**Technical Specification :**

Stainless steel calorimeter capacity 30l  
Compressor power:370W  
Services required:  
Electric supply: 220 V mono phase, 50/60 Hz  
Weight and dimensions:  
Dimensions: 600 x 600 x 1530 h mm  
Net Weight: 115 Kg.



**Laboratory Instrument India**