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**Product Name :**  
Heat Conduction In Gases and Liquids

**Product Code :**  
LBNY-0005-12500046



**Description :**

The medium for the experiment is fed through a gap. The gap between the two elements was selected so that the transfer of heat due to convection can be ignored. It comprises a cylindrical heat exchanger with a heated inner cylinder made of aluminium and a water-cooled jacket. Due to the low temperatures and the polished surfaces, the radiation portion of the heat transfer is also negligible. This experimental unit enables experiments to be performed on steady-state thermal conduction in liquid and gaseous materials. Temperature sensors measure the temperature difference.

**Technical Specification :**

Experimental media water, oil, air  
Radiation portion of heat transfer negligible due to low temperatures and polished surfaces  
Study of the heat conduction of gases and liquids  
Experiments in annular gap formed by 2 concentric cylinders  
Measuring amplifier with digital displays for temperature difference and heater power and control elements  
Adjustable electric heater  
Manual valves for flow rate adjustment (cooling water, medium to be investigated).



**Laboratory Instrument India**

