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**Product Name :**  
Mass Transfer And Diffusion Coefficients

**Product Code :**  
LBNY-0005-1160004



#### **Description :**

The Mass Transfer And Diffusion Coefficients Unit allows to study the gaseous end liquid diffusion phenomena. It is very simple to use and requires very little maintenance besides it is composed of two distinct apparatuses which can be separately supplied:

The bath temperature is measured by a bulb thermometer and regulated by a thermostat; it is possible to measure with accuracy the liquid level in the capillary tube by means of an eyepiece and a Vernier scale.

Apparatus for the study of the gaseous diffusion coefficient: It is composed of a thermostatic bath where a Tee shaped capillary tube is placed containing the liquid to be tested.

A magnetic stirrer constantly mixes the glass content, whose conductivity can be measured by means of portable conductivity meter and recorded by means of a proper software.

Apparatus for the study of the liquid diffusion coefficient: It is composed of a glass vessel containing distilled water; a diffusion cell is placed in the vessel; the test liquid is passed through the cell.

#### **Technical Specification :**

Weight and dimensions of Mass Transfer And Diffusion Coefficients

Apparatus for the study of the liquid diffusion coefficient:

Dimensions: 450 x 400 x 250 h mm

Net weight: 20 kg

Apparatus for the study of the gaseous diffusion coefficient

Dimensions: 450 x 450 x 400 h mm

Net weight: 30 kg.



**Laboratory Instrument India**