

## Experiment(s):

1. Measurement of magnetic susceptibility of liquids

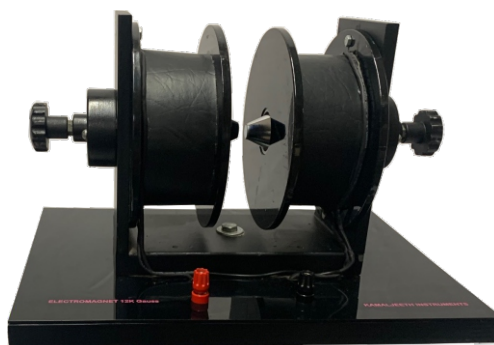
(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))



(a)



(b)



(d)



(c)

## Experiment Setup Consists:

- a) Digital Travelling microscope
- b) Electromagnet
- c) Power Supply
- d) u- Tube
- e) Sample

## Specifications:

### a) Digital Travelling microscope

Number of Axis: 1 (Vertical)  
Base: Cast Iron  
Moving Parts: Brass  
Focus: Adjustable  
Free movement: 150mm  
Micrometer movement: 10mm  
Least count: 0.01mm  
Display: LCD  
Detector: Resistive type  
Power: AC 220V/50Hz or  
AC 110V/60Hz  
Power Consumption: <20W

### b) Electromagnet

Magnetic Flux: Up to 10K Gauss  
Pole Gap: adjustable from 1mm to 25mm  
Poles: Tapered  
(Flat available on request)

### c) Power Supply

Constant Current regulated power supply with adjustable current

### d) U-Tube

U-tube with acrylic stand

### e) Samples

Reference : Lab Experiments Journal vol-14, No.4, Page-257



## KAMALJEETH INSTRUMENTS

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