

ABSORPTION SPECTRUM OF SOLIDS AND LIQUIDS

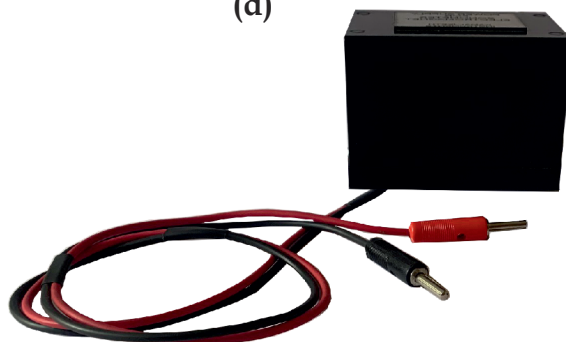
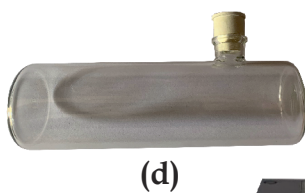
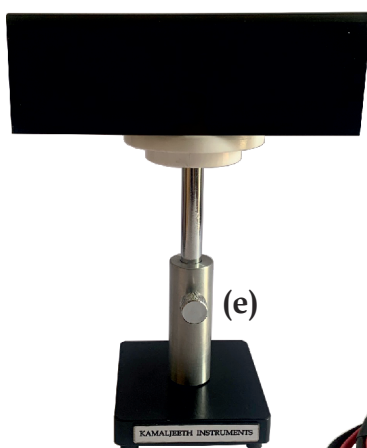
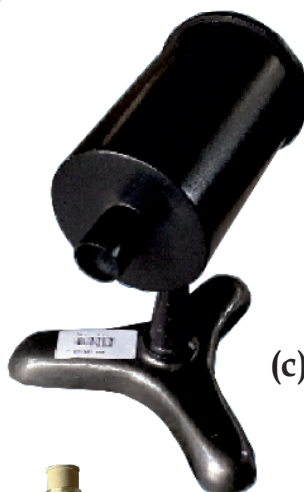
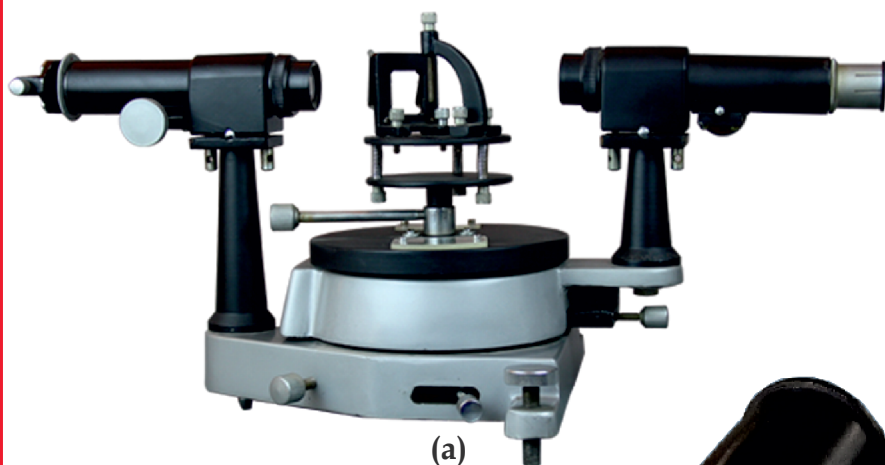
Model: AB-201/002

Experiment(s):

1. Absorption spectrum of iodine and determination of dissociation energy and force constant

(For more details, procedure & manual visit: www.kamaljeeth.net)

Reference : *Lab Experiments Journal vol-15, No.2, Page-130*



Specifications:

a) Spectrometer

Scale: 6" diameter (Brass)

Base: Cast iron with levelling screw

All moving parts made of brass for accuracy

Collimator with adjustable slit
Horizontal axis alignment for collimator: Yes

Horizontal axis alignment for telescope: Yes

Centre Table: Height adjustable with provision for prism and grating holder

Telescope with user changeable cross wire and eyepiece

b) Diffraction grating

Grating constant: 15000

Lines/Inch

Window size: 40 mm x 30 mm

c) White light source

Incandescent light source giving continuous spectrum

d) Tube for liquid samples

Cylindrical tube having wide mouth opening with leak free silicone cork

e) Tube for gaseous samples

Cylindrical tube having wide mouth opening with leak free silicone cork

Heating coil and power supply for iodine sample

Height adjustable stand



KAMALJEETH INSTRUMENTS

ESTD. 1990

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3 years manufacturing warranty