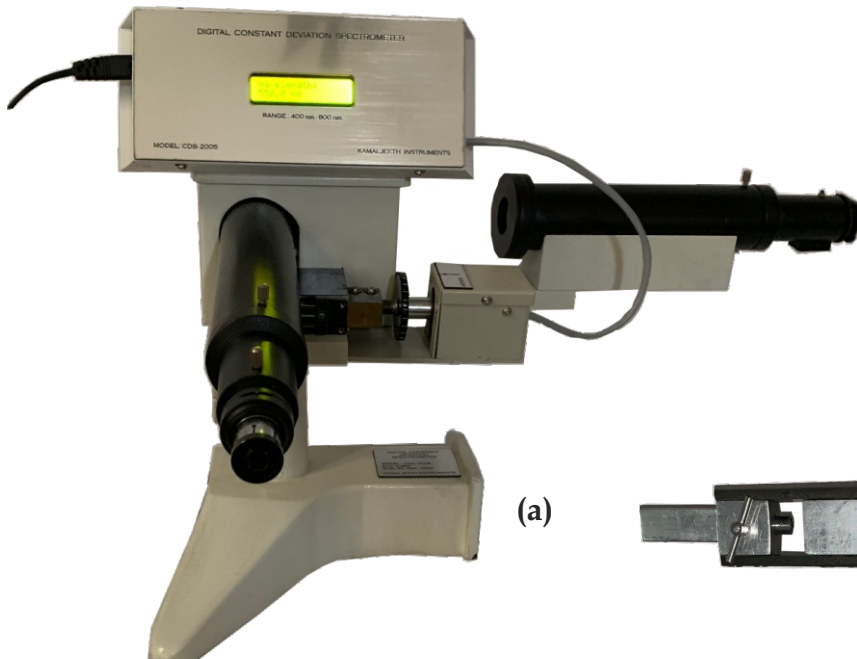


## Experiment(s):

1. Spectral signature of various metal electrodes

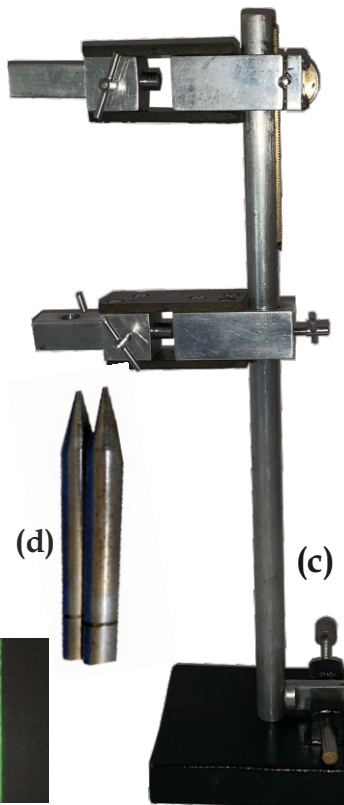
(For more details, procedure & manual visit: [www.kamaljeeth.net](http://www.kamaljeeth.net))



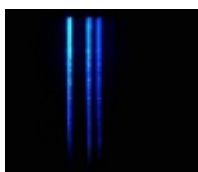
(a)



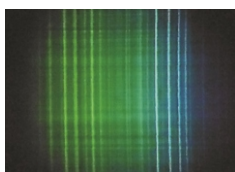
(b)



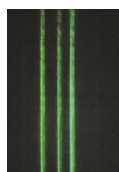
(c)



Zinc



Brass



Copper

## Experiment Setup Consists:

- a) Digital Constant Deviation Spectrometer
- b) Electromagnet/ Arc Power Supply
- c) Arc Stand
- d) Arc Rod pairs

## Specifications:

### a) Digital Constant Deviation Spectrometer

Range: 400nm to 800nm

Resolution: 1nm

Movement: Manual/ Mechanical

Output: Shown on a digital display

Input: Mains operated 220V, 50Hz or 110V, 60Hz

### Camera

Resolution: 1.3MP

Interface: USB

Software: Kamaljeeth's Camera Measurement software Included

### b) Arc Power Supply

Output: 75V/5A DC

Display: Digital Current meter

Variation: Built-in Dimmerstat

Input: Mains operated 220V, 50Hz or 110V, 60Hz

### c) Arc Stand

Height: Variable

Distance between rods: Variable

Mount: Arc rods upto 12mm

### d) Arc Rod pairs

Purity: >99.5%

Dia: 8mm to 12mm

Material: Copper, Brass, Iron, Carbon, Aluminium & Zinc (any 3)

Reference : Lab Experiments Journal vol-14, No.1, Page-34



# KAMALJEETH INSTRUMENTS

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