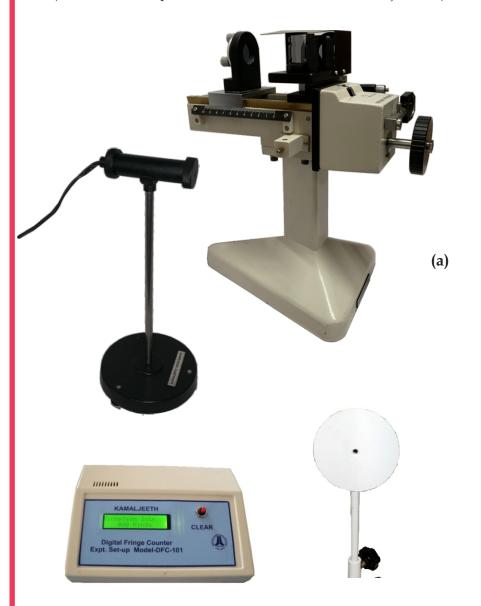
# Model: MIC-1218/023

### **Experiment(s):**

- 1. Determination of average wavelength of Sodium D<sub>1</sub> and D<sub>2</sub> Lines
- 2. Determination of D<sub>1</sub>-D<sub>2</sub> Seperation & thickness of Mica

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



Reference: Lab Experiments Journal vol-4, No.3, Page-180

# KAMALJEETH INSTRUMENTS

An ISO 9001:2008 Certified Company

Address: No. 610, 5th main, 8th cross Tatanagar, Bangalore 560 092 Website: www.kamaljeeth.net, Email: labexperiments@kamaljeeth.net

#### **Experiment Setup Consists:**

- a) Interferometer
- b) Laser & Power supply
- c) Fringe Counter

## **Specifications:**

#### a) Interferometer

Adjustable Beam splitter Twin parallel arrangement Mirror: 2 Axis adjustment

LC: 0.001mm

Measurement: 3 scale method Mirror coating: Silver finished

#### b) Laser & Power supply

Type: Semiconductor Diode Laser with beam diffuser Wavelength: 625nm (Red) Output Power: 3mW

Mount: Cast Iron Base with levelling screw

**Power Supply:** 

Output: Suitable for 3mW &

5mW

Semiconductor Lasers

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

c) Digital Fringe Counter

Calibration for dark and bright

spots: Manual

Suitable for rings >10mm dia

Display: LCD readout

Input: Mains operated 220V,

50Hz or 110V, 60Hz

3 Years manufacture's warranty

30 Years of innovative manufacturing