

KPH-25

MICHELSON INTERFEROMETER

Experiment(s):

1. Determination of average wavelength of Sodium D₁ and D₂ lines
2. Determination of D₁-D₂ separation & thickness of Mica
3. Determination of average wavelength of semiconductor diode Laser

Specifications:

a) Interferometer

Adjustable beam splitter twin parallel arrangement
Mirror: 2 Axis adjustment
LC: 0.001 mm
Measurement: 3 scale method
Mirror coating: Silver finished

b) Laser & power supply

Type: Semiconductor diode
Laser with beam diffuser
Wavelength: 625 nm (Red)
Output power: 3 mW
Mount: Cast iron base with levelling screw

Power supply:

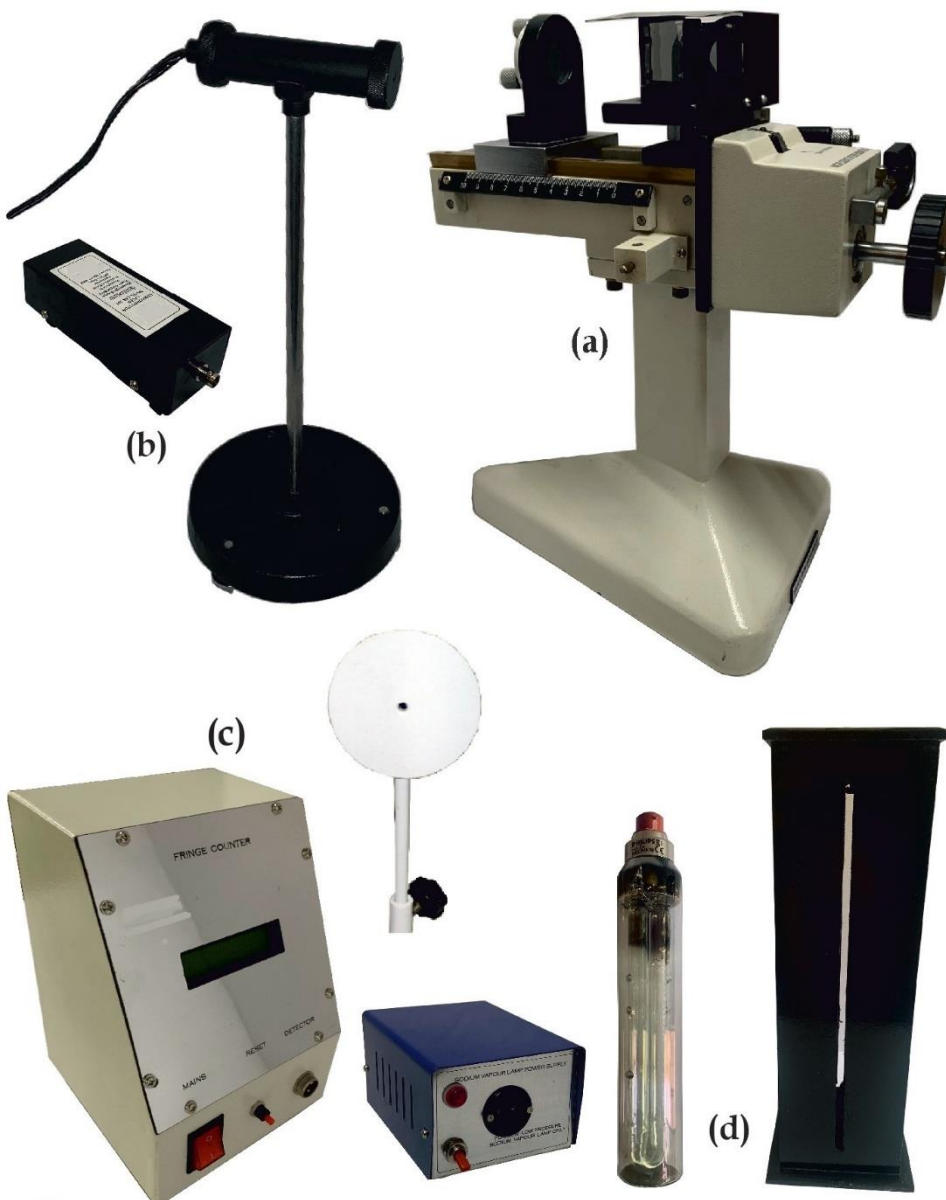
Output: Suitable for 3 mW & 5 mW semiconductor Lasers
Rated Input: 220 V/50 Hz
or 110 V/60 Hz

c) Digital fringe counter

Calibration for dark and bright spots: Manual
Suitable for rings >10 mm dia
Display: LCD readout
Rated Input: 220 V/50 Hz
or 110 V/60 Hz

d) Sodium vapour lamp set (Optional)

Lamp: Philips / Thorne 35 W
Lamp House: Single lamp type with fixed slit openings
Transformer: 35 W, instant ON
Rated Input: 220 V/50 Hz
or 110 V/60 Hz



Note: Specifications and Photos can be altered without prior notice in our constant efforts for improvement.



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