

Model: RP-201/034

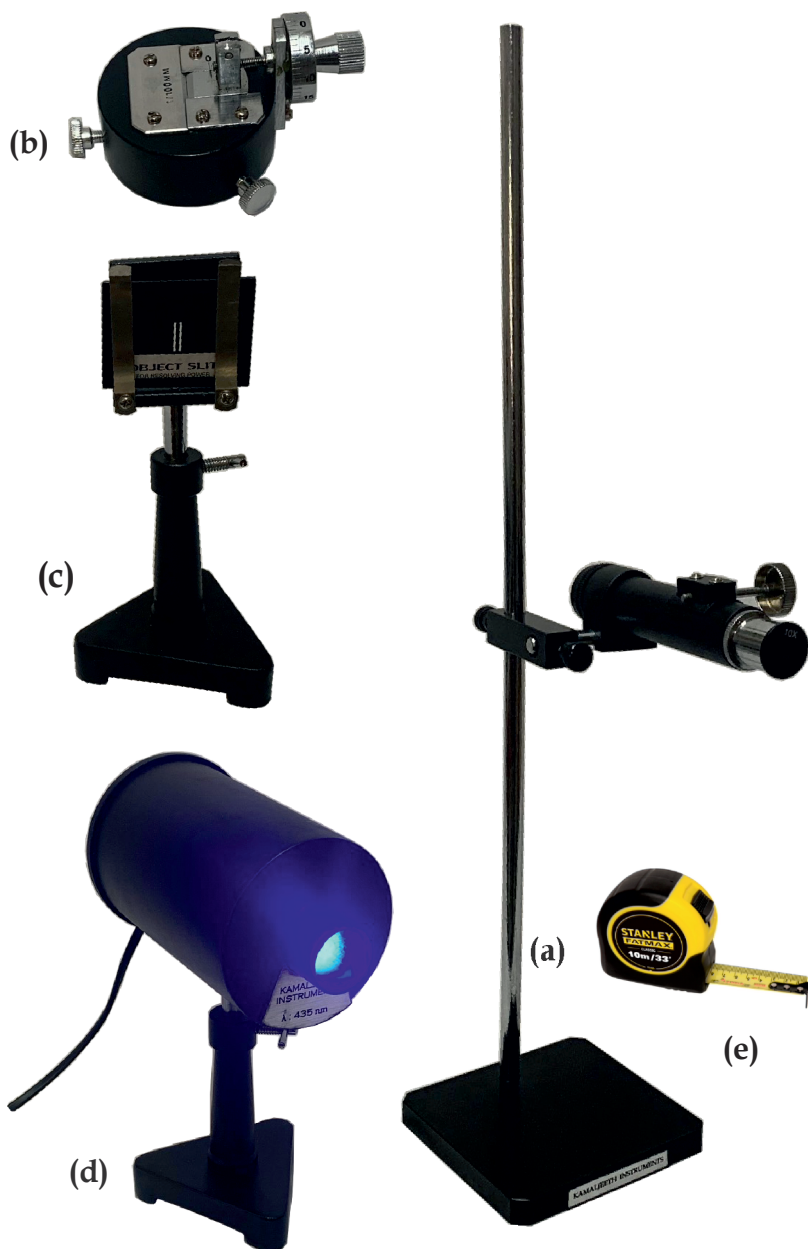
## RESOLVING POWER OF TELESCOPE

### Experiment(s):

1. Determination of resolving power of a telescope

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

Reference : *Lab Experiments Journal vol-9, No.2, Page-96*



### Experiment setup consists:

- Telescope on stand
- Adjustable single slit
- Double slit
- Light source of known wavelength
- Measuring tape

### Specifications:

#### a) Telescope on stand

Base: Heavy cast iron  
Telescope height: Adjustable  
Focus: Adjustable  
Tilt: Adjustable

#### b) Adjustable single slit

Mount: Suitable to be fitted on telescope  
Slit: Adjustable through micrometer  
Maximum width: 10 mm  
LC: 0.01 mm

#### c) Double slit

Type: Fixed slit  
Slit Width: 1 mm  
Pitch: 2 mm

#### d) Light Source of known wavelength

Stand: Height adjustable  
Wavelength: 435 nm, fixed intensity  
Rated Input: 220 V/50 Hz  
or 110 V/60 Hz

#### e) Measuring tape

Length: 3 m



# KAMALJEETH INSTRUMENTS

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