

IV-E253 Resolving Power Of Telescope



- Resolving Power of Telescope Experimental Setup () helps students to understand the fundamental principle of Telescope. Telescope used to gather and focus light. A Telescope with better resolving power will reveal smaller surface features on the surface of the Moon or a planet. If a Telescope has good resolving power, then magnifying the image can be seen with fine details. Resolving Power of Telescope is the ability to see really small details so objects that are close together in the sky are easily seen as separate. The resolving power of a Telescope is indirectly related to the diameter of the main mirror or lens. However it is limited by the Earth's atmosphere. Large Telescopes do not have better resolving power than modest size Telescopes.

Scope of Learning :

- Determine the resolving power of a reading telescope

Apparatus supply:

- Reading Telescope
- Provided with variable rectangular slit (Drum type for direct reading)
- Equispaced and Equal width strip drawn on it
- Simple Light Source
- Working Manual

Optional Accessories :

- Optional accessories include a Sodium Vapour Lamp Assembly (including the lamp, box, and transformer), a Motion Microscope, and Measuring Tape.