



Spectrometer Setup is useful for understanding the behaviour of light and it concerns the phenomena of Reflection, Refraction, Diffraction and Interference of light. Optical spectrums are important for any detailed description of light source and wavelength determination for each colour of light. Spectrometer is basically an instrument for observing spectrums and measuring angle of deviation of light in a particular medium, for mathematical calculations. Set-Up comprises of spectrometer, prisms, grating and light source, which are necessary for all the basic experiments of spectrometer.

- Adjustment of entrance slit is provided
- Prism table(brass) for accurate component placement
- Graticule Eyepiece
- Wide aperture optics
- Rack and pinion arrangement focusing
- Durable and precise construction

SPECIFICATIONS OF SPECTROMETER:

| | |
|---------------|----------------|
| Base Type | : Cast iron |
| Circle dia | : 175 mm. (7") |
| Scale Type | : Brass |
| Main scale | : 0 - 360° |
| Vernier scale | : 30 div |

Collimator :

| | |
|---------------------------------|---------------------|
| Tube length | : 160 mm. |
| Focal length of Achromatic lens | : 175 mm. (Approx.) |

Telescope

| | |
|---------------------------------|---------------------|
| Tube length | : 185 mm. |
| Focal length of Achromatic lens | : 175 mm. (Approx.) |

Optional Accessories :

- EDF Prism 32x32mm
- Quartz Prism 18x18mm or equivalent available size
- Diffraction grating 15000 lines/inch
- Hollow Glass Prism
- Sodium lamp 35W with box having three slit
- Mercury lamp 80W with box & choke

Photographs are for reference only final product may vary from it

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