

**Item Name :** Intermediate Spectrometer

**Item Code :** 2082.2008.01

**Item Description :**

This is a robust instrument designed specifically for student use, which nevertheless is capable of very high performance. The main structure is of heavy cast metal, with bright plated fittings. The complete instrument is supplied with wooden case.

Scale:

- The 150mm diameter circle with protective plastic shield is fixed to the telescope movement and the table is attached to the double ended vernier, which reads to 1 minute of arc.
- Both telescope and table rotation fine adjustment screws, and release of a clamping screw enables adjustment of both movements to be made by hand.

Collimator:

- Mounted on fixed and fitted with 178mm focus achromatic
- Objectives, 25mm clear aperture. Also fitted is a unilaterally adjustable slit 7mm long.

Telescope:

- Mounted on moveable pillar and fitted with 178mm Focus achromatic objective, 25mm clear aperture.
- Also fitted is a 8x Ramsden eyepiece and a glass cross line graticule. Both the telescope and collimator have rack and pinion focusing.
- Means are provided for leveling the axis of both optical units and for squaring them to axis of rotation.

Prism Table:

- The table is marked with lines to assist placing the prism with respect to the table leveling screws.

Standard Accessories Supplied:

- 1 Prism clamp, 1 diffraction grating holder, 1 magnifier, 1 tommy bar for adjusting optical axis, 1 wooden case.

**Item Image :**



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