55913 experimental set-up has been designed specifically to determine the number of lines per centimetre on a diffraction grating.

The set-up is complete in all respects and requires no other apparatus.

Practical experience on this set up carries great educative value for Science and Engineering Students.

Object

1. DETERMINATION OF NUMBER OF LINES PER CENTIMETRE ON A DIFFRACTION GRATING

Features

The board consists of the following built in parts

- DIODE LASER WITH POWER SUPPLY
  - Wavelength : 650 visible RED
  - Maximum Output : 0.5 mW
  - Power Supply : With ON/OFF switch, 230V mains
- DIFFRACTION GRATING : Hilger & Watts Type, 15000 lines per inch
- DIFFRACTION GRATING HOLDER : Spring action type having well ground stainless steel jaws.
- AN OPTICAL BENCH : One meter long rods, 3/4" dia. forming a bench and supports having leveling screws. One of the two steel rods is graduated. It has one rider with transverse motion & two fixed holders.
- SCREEN : 45 x 17 cm . & 3 cm base with white paper on it and can be fitted into rider.
- Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Note: Specifications are subject to change.

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