55813 Experimental Set-Up has been designed specifically to determine Brewster's angle for a glass prism surface and hence to determine refractive index of glass using Laser. The set-up consists of Circular table, Diode Laser, Glass prism, Laser Detector, Nano-ammeter, Reading Lens and Spirit Level.
The set-up is complete in all respect and requires no other apparatus. Practical experience on this set-up carries great educative value for Science and Engineering Students.

OBJECT

To determine Brewster's angle for a glass prism surface and hence to determine refractive index of glass prism using Laser.

FEATURES

The complete Experimental Set-up consists of the following items.

01 Diode Laser with Power Supply.
Maximum output : 1 mW.
Wave length : 670 nm visible red.
Power supply : Included with ON/OFF
switch working on 230 mains.
02 Circular Table : Spectrometer scale 6" dia circle with vernier but without Collimator & Telescope. It has two holders one for laser & other for Laser detector.
03 Spectrometer prism :
Optically worked with two faces polished equilateral size 38mm x 38mm. Crown glass.
04 Laser Detector
05 Nanoammeter :OMEGATYPE DNM–021.
06 Reading Lens :
40 mm diameter with handle.
07 Spirit Level : 60 mm length.
08 Weight : 12.8 Kg. (Approx.)
09 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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