

**VARIATION OF THE ANGLE
OF ROTATION OF THE PLANE OF
POLARISATION USING POLARIMETER
OMEGA TYPE ES-259**



OMEGA TYPE ES-259 Experimental Set Up has been designed specifically to study the variation of the angle of rotation of the plane of polarisation with the concentration of cane sugar solution.

The set-up consists of Polarimeter having 20cms. long tube, Sodium light source etc.

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

OBJECT

01 Study of the variation of the angle of rotation of the plane of polarisation with the concentration of cane sugar solution and find the specific rotation of cane sugar.

02 SODIUM LIGHT SOURCE : Sodium light source complete with sodium lamp 35 watts with vacuum jacket, Transformer & Wooden Box having four holes with slide covers, one each on every side at different heights.

03 Weight : 8.5 Kg. (Approx.)

04 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures,

05 Report Suggestions and Book References.

OTHER APPARATUS REQUIRED :

01 100cc beaker, funnel, pipette, physical balance with weight box and sugar etc.

FEATURES

The complete Experimental Set-up consists of the following :

01 POLARIMETER : Fitted with imported laurent's half shade system, with stand and 20cm long polarimeter tube of borosil glass, workable on sodium light with 360° rotation.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS