OMEGA®

A SIGN OF QUALITY PRODUCT

NEWTON'S RINGS EXPERIMENTAL SET-UP

OMEGA TYPE ES-249

OMEGA TYPE ES-249 Experimental Set-Up has been designed specifically for the study of the Newton's Rings. The set-up consists of Newton's Rings Apparatus complete include reflector, Traveling Microscope, Sodium light source, lens etc.

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

01 Determination of the wave length of Sodium Light and the refractive index of liquid by using Newton's rings method.

FEATURES

01 The complete Experimental Set-up consists of the following :

NEWTON'S RINGS APPARATUS:-

01 This is a compact instrument containing all the necessary arrangment required for conducting the Newton's Ring experiment. A standard Microscope unit having 30X magnifications is provided with a rotable cross line, and the eye piece can be focused as per individual's requirement. The whole microscope tube unit can be raised or lowered and clamped at any desired position . The focusing of the microscope unit is done by rack and pinion arrangement. The longitudial movement of the microscope saddle for the purpose of the rings is done by rotating the drum provided. The 26mm. movement can be read by scale & on the divided drum to 0.001 cm.

02 Newton's Ring set consisting of one optical flat glass and one plano convex lens arranged inside a metal case resting over the stage of the instrument can be adjusted for the alignment of the measuring line. A reflector plate adjustable in the required direction is fitted on to the side of the set. The condenser lens is provided in front of the reflector

03 Sodium light source : Sodium light source complete with sodium lamp 35 watts with vaccum jacket, Transformer & wooden Box having four holes with slide covers, one each on every side at different heights

04 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

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

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