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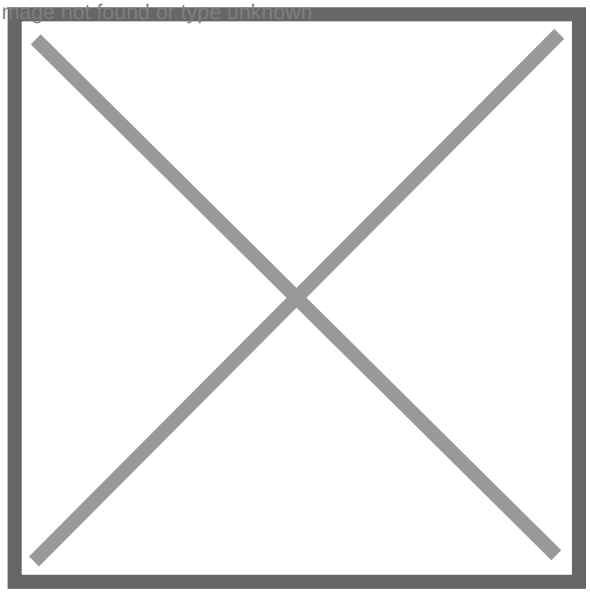
Product Name :

Newton's Ring Model

Product Code :

SCL-427/110

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Description :

Newton's Ring Model (Product Code: SCL-427/110) is a glass plate and convex lens assembly used to produce Newton's rings, circular interference fringes, for studying constructive and destructive interference in physics labs. This compact Newton rings apparatus holds both parts in a heavy aluminium frame 9 cm in diameter with a 5 cm aperture, and three spring-loaded screws adjust the contact pressure. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Optical parts	Glass plate and convex lens (combination of two lenses)
Frame	Heavy aluminium frame
Frame diameter	9 cm (90 mm)
Aperture	5 cm (50 mm)
Adjustment	Three spring-loaded adjusting screws set the pressure between the glass surfaces
Viewing light	Sunlight, fluorescent light or monochromatic light
Purpose	Study of constructive and destructive interference
Product code	SCL-427/110
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Newton's Ring Model Used For?

Where the convex lens rests on the flat glass plate, a thin wedge of air forms whose thickness grows outward from the point of contact. Light reflected from the top and bottom of this air film interferes, giving a dark central spot surrounded by concentric bright and dark rings, a direct picture of constructive and destructive interference.

Students can see the rings by eye in sunlight or under a fluorescent tube, where they appear coloured, and more sharply with a monochromatic source. Tighten the three spring-loaded screws evenly and only lightly, just enough to centre the rings, since excess pressure distorts the pattern. In college practicals the same principle is used with a travelling microscope to measure ring diameters.

OEM Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, the original equipment manufacturer (OEM) of the Newton's Ring Model. The aluminium-framed assembly is made at the company's own licensed factory at Saha, Ambala, Haryana, India, and supplied factor
screw
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