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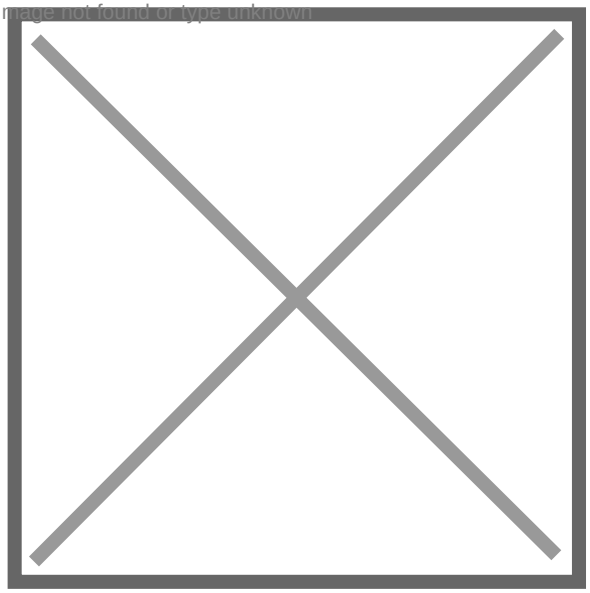
Product Name :

Apparatus Newton's Ring

Product Code :

SLE/PHY/14

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Description :

Apparatus Newton's Ring (Product Code: SLE/PHY/14) is an optical interference unit used to display the ring pattern formed when light reflects between two surfaces, in physics and optics lab classes. A convex lens rests on a flat lens inside a metallic frame with three terminals, and the complete ring measures 4 inches in diameter and 1-1/2 inches thick. Schools and colleges use it as a sturdy Newton rings apparatus made in India by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala.

Specifications

Parameter	Detail
Phenomenon shown	Interference pattern caused by the reflection of lightbetween two surfaces
Optical parts	Convex lens mounted over a flat lens
Mounting	Metallic frame with three terminals
Size	4 inches in diameter, 1-1/2 inches thick
With monochromatic light	A series of dark and light rings
With white light	A series of rainbow-coloured rings
Product code	SLE/PHY/14
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Newton's Ring Apparatus Used For?

Where the curved face of the convex lens meets the flat lens, a very thin film of air is trapped, growing thicker away from the contact point. Light reflected from the two surfaces bounding this film interferes, and wherever the path difference matches, the reflections reinforce or cancel. The result is a set of concentric rings centred on the point of contact, a clear visual proof that light behaves as a wave.

Viewed under a monochromatic source such as a sodium lamp, the unit shows crisp alternating dark and light rings that advanced students can measure to find the radius of curvature of the lens or the wavelength of the light. Under ordinary white light the same pattern appears as rainbow-coloured rings, which is ideal for a quick class demonstration. Handle the lenses by the frame only and keep them free of dust, since any particle between the glass surfaces spoils the rings. It suits any optics lab equipment set for senior-secondary and undergraduate practicals.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, is the OEM (original equipment manufacturer) of the Apparatus Newton's Ring. The unit is manufactured at the comp
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