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Product Name :

Forensic Comparison Microscope

Product Code :

SLE/M/53



Description :

Forensic Comparison Microscope (Product Code: SLE/M/53) is a twin-body microscope usedto compare two specimens side by side, such as fibres, hairs or tool marks, in forensic science teaching labs and criminology courses. One Siedentopf-design trinocular head sits on a comparison bridge above two microscope bodies, with 2x macro and 4x, 10x and 40x micro objectives and top and bottom LED lighting. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, within its range of laboratory instruments in India.

Specifications

Parameter	Detail
Head	One Siedentopf-design trinocular head mounted on a comparison bridge on top of 2 microscope bodies
Eyepieces	2 x 10x
Objectives	2x macro; 4x, 10x and 40x micro
Focus	Coaxial coarse and fine adjustment
Light source	Top and bottom LED lights; energy-efficient white light with virtuallyno heat
Illumination control	LED bulb with variable intensity control
LED life	Up to 50,000 hours between replacements
Power supply	Cordless rechargeable or AC operation
Stage	Floating stage with clips for micro; floating black-and-white plate for macro
Product code	SLE/M/53
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Comparison Microscope Used For?

A comparison microscope brings two specimens into a single view so their features can be matched directly rather than from memory. In forensic science teaching, students set a questioned fibre beside a reference fibre, compare the colour and scale pattern of two hairs, or line up the striations left by a tool on two practice samples. The same approach helps in materials and textile classes where two samples must be judged against each other.

For a fair comparison, set both bodies to the same objective and match the top and bottom lighting with the intensity controls. Use the 2x macro objective and the black-and-white plate for larger items, and the 4x, 10x and 40x micro objectives with slides for fibres and hair. The LEDs give light with virtually no heat, so delicate samples are not warmed during long examinations.

Supplier

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