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Product Name :

Ore Polarising Microscope

Product Code :

SLE/M/42



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Description :

Ore Polarising Microscope (Product Code: SLE/M/42) is a trinocular polarising microscopeused to identify ore minerals and study rock specimens in reflected and transmitted polarised lightin geology and mining laboratories. It is fitted with two focusable 10X wide-field eyepiecescarrying a double cross line, plan POL objectives from 4X to 40X and a colour CCD camera onthe trinocular tube. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**,Ambala, India, a laboratory equipment supplier in India.

Specifications

Parameter	Detail
Frame	Transmission and reflection mode polarisation microscopy, built-in filter holders
Objectives (planachromatic, polarising)	4X POL N.A. 0.13, W.D. 17.0 mm; 10X POL N.A. 0.3, W.D.10.0 mm; 20X POL N.A. 0.5, W.D. 2.1 mm; 40X POL N.A. 0.75,W.D. 1.1 mm
Eyepieces	Wide-field 10X, 2 numbers, with double cross line, focusable
Tube	Fixed trinocular tube
Light source	High-power LED light with power supply; built-in transmittedlight filters
Nosepiece	Minimum 4-position, centrable and detachable
Focus	Stroke minimum 22 mm; fine stroke minimum 100 µm
Condenser	Strain-free polarising condenser, swing-out type
Stage	Circular, rotatable and centerable mechanical stage, graduated through 360°
Reflected illumination	Polariser slider for the reflected illumination tube
Rotating scale	360° rotatable, scale interval 5°
Compensator	Wedge shaped, measurement range 0–4?
Camera	Colour CCD camera, minimum 5 megapixel, on the trinocular tube with a suitable mounting adapter
Camera sensor	2/3 inch CCD; resolution 1920 x 1080 pixels; pixel size 3.45 x 3.45 µm
Product code	SLE/M/42
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the Ore Polarising Microscope Used For?

Ore minerals such as sulphides and oxides are opaque, so a geologist identifies them from how they r
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