Email : sales@scilabexport.com
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Product Name :

Advance Research Polarising Microscope with Incident Light

Product Code :

SLE/M/33



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Description :

Advance Research Polarising Microscope with Incident Light (Product Code: SLE/M/33) isan infinity-corrected trinocular microscope used for polarised-light study of rocks, minerals, oresand crystalline materials in transmission and reflection modes. Geology and materialsdepartments use it with its plan achromatic POL objectives and colour CCD camera with imagingsoftware. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India,among its laboratory instruments in India and overseas.

Specifications

Parameter	Detail
Frame	For transmission and reflection mode polarisation microscopy, with built-in filter holders
Optical system	Infinity corrected
Objectives (plan achromatic, 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
Viewing tube	Fixed trinocular tube
Illumination	High-power LED light with power supply; built-in transmitted light 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, 360° graduated mechanical stage
Reflected light	Polariser slider for the reflected illumination tube
Rotation scale	360° rotatable, scale interval of 5
Wedge compensator	Wedge shaped, measurement range 0–4?
Camera	Colour CCD camera, specified as minimum 5 megapixel, mounted on the trinocular tube with a suitable adapter
Camera sensor and output	2/3 inch CCD; 1920 x 1080 pixels; pixel size 3.45 x 3.45 µm; 12-bit A/D converter
Camera speed and interface	Minimum exposure 1 ms or smaller; 15 frames per second; USB connection to PC
Software	Standard imaging software: image acquisition, measurements, point or object detection, aligning multiple images together
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