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Product Name :

Wired USB with Polarizer

Product Code :

SLE/M/130



Science Lab
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Description :

Wired USB with Polarizer (Product Code: SLE/M/130) is a compact USB 2.0 digital microscope with a built-in polarizer, used to magnify, capture and measure surface detail on a Windows or Mac computer in schools, colleges and workshops. It gives 10–50x and 200x magnification froma 2.0-megapixel CMOS sensor, lit by 8 white power LEDs. For schools and labs sourcinglaboratory instruments in India, it is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Connection	USB 2.0 (wired) to a Windows or Mac computer
Sensor	CMOS, 2.0 megapixel
Resolution	1600 x 1200, 1280 x 960, 800 x 600, 640 x 480
Max. frame rate	30 fps
Magnification	10–50x and 200x
Zoom	Yes, distance controlled
Focus range	Manual focus, 10 to 500 mm
Working distance	Standard
Lens	Optical glass with multi-layer anti-reflection coating
Illumination	8 white power LEDs
Polarizer	Yes
Software	Analysis software with measurement and annotation functions
Dimensions	34 mm diameter x 140 mm length
Weight	115 g
Product code	SLE/M/130
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the USB Microscope with Polarizer Used For?

Plugged into a laptop or desktop, this microscope shows a live, enlarged image on screen, so a whole group can examine insects, leaves, fabric, coins, printed circuits or rock surfaces together and capture pictures for reports. The 10–50x range suits whole objects, while 200x reveals finer texture such as paper fibres or pollen. The analysis software adds measurement and annotation, which makes it useful for simple size and wear checks as well as teaching.

The polarizer cuts glare from shiny or wet surfaces such as metal, glass, plastic packaging and polish ith the di objec for sharp