

J-SMART™ Monocular Microscope



About J-SMART™

Extensive experience of JC LAB optical engineers has contributed to the development and implementation of the J-SMART series with the finest optical components and guaranteed performance, which means clear bright images at every magnification. The modern microscopes of the J-SMART series are especially developed for educational purposes with primary focus on ergonomic and today's quality standards

The JIS DIN WF 10x/18 eyepieces and the semi plan achromatic corrected 45 mm JIS DIN objectives of the J-SMART models generate a crisp high-resolution image. When changing magnification the image remains perfectly in focus and centered. The 120 x 120 mm plain stage and 130 x 130 mm stage with double layered 70 x 28 mm X-Y mechanical stage enable a 2 μ m precision positioning of the specimen



Highlights

- WF10x/18mm eyepiece(s)
- Provided with APL (Antimicrobial Protection Layer)
- Integrated X-Y mechanical stage
- Revolving reversed nosepiece
- Height adjustable abbe condenser with iris diaphragm and filter holder
- S-LED illumination
- Coaxial coarse and fine adjustments with rack stop
- Ergonomic carrying grip
- Cordless operation

*This Product Contain 5 year warranty



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Technical Specifications

Optical system	Finite Optical System, 160mm
Observation tube	Monocular
Inclination	45° inclined, 360 rotating
Eyepiece(s)	WF 10x (18mm) & WF 16x (16mm) , lockable
Nosepiece	Reversed quadruple revolving nosepiece with click stops
Objective classification	JPL Achromatic, DIN
Objective information	4x NA=0.1 WD=18, 10x NA=0.25 WD=7, 40x (s) NA=0.65 WD=0.53, 100x (s)(oil) NA=1.25 WD=0.13
Objective mounting thread	W 4/5" x 1/36" (JIS standard)
Stage	Double Layers Mechanical Stage
Stage size	126mm x 110mm
Mechanical stage X & Y range	60 x 25mm
Upper limit stop	Upper limit stop preset but adjustable
Condenser	N.A. 1.25 with iris diaphragm lever for height adjustability, provides a more sophisticated method of controlling the sub-stage illumination, and assists in obtaining optimum image resolution and contrast
Focus mechanism	Coaxial Coarse and Fine Adjustment, Fine Division 0.0002mm, Moving Range 22mm
Illumination	S-LED Illumination (Rechargeable)
Transformer	Internal
Power supply	100 - 240V (CE)
Accessories included	Dust cover, charger and batteries