

J-SMART™ Binocular 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 µm 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



J-SMART™ Binocular Microscope



Technical Specifications

| | |
|------------------------------|--|
| Optical system | Finite Optical System, 160mm |
| Observation tube | Binocular |
| Inclination | 45° inclined, 360 rotating |
| Eyepiece(s) | WF 10x (18mm) pairs & WF 16x (16mm) pairs, lockable |
| Nosepiece | Reversed quadruple revolving nosepiece with click stops |
| Objective classification | J-VIS™ PL 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 |