



*Trinocular brightfield microscope, 1000x,  
IOS W-PLAN objectives*

|   |                                   |   |
|---|-----------------------------------|---|
| <b>Observation Method - Transmitted Light</b> | Brightfield                       | Yes   |
|   | Phase contrast (Positive type)    | As optional   |
|   | Darkfield                         | As optional   |
|   | Simple polarized light            | As optional   |
| <b>Main Body</b>                              | Type                              | Upright   |
|   | Construction material             | Aluminum die-cast   |
|   | Transportation handle             | Yes   |
| <b>Head</b>                                   | Type                              | Trinocular (Siedentopf)   |
|   | Split ratio                       | 50/50   |
|   | Inclination                       | 30°   |
|   | 360° rotating                     | Yes   |
|   | Interpupillary distance (mm)      | 50-75   |
|   | Dioptric adjustment               | On left tube  |
|   | Tube inner diameter (mm)          | 30  |
| <b>Eyepieces</b>                              | Field number (mm)                 | 22  |
|   | Magnification                     | 10x   |
|   | Planar type                       | Yes   |
|   | Micrometric scale                 | As optional   |
|   | Diameter of micrometer glass (mm) | 26  |
|   | High eyepoint (for glass wearers) | Yes   |
|   | Rubber cup                        | Yes   |
|   | Retractable protections           | Yes   |
| <b>Nosepiece</b>                              | Positions                         | Quintuple   |
|   | Reversed                          | Yes   |
|   | Bi-directional                    | Yes   |
|   | Rotation on ball bearings         | Yes   |
|   | Objective thread                  | RMS   |
| <b>Objectives</b>                             | Optical system                    | ∞   |
|   | Anti-fungus treatment             | Yes   |
|   | Parfocal distance (mm)            | 45  |
|   | Standard magnifications           | 40x-1000x   |
|   | Type                              | IOS W-PLAN  |
|   | Objectives included               | 4x/0.10, W.D. 17.3 mm<br>10x/0.25, W.D. 10 mm<br>40x/0.65, W.D. 0.54 mm<br>100x/1.25 (Oil),<br>W.D. 0.13 mm |
| <b>Stage</b>                                  | Type                              | Double layer  |
|   | Dimensions (mm)                   | 233x147   |
|   | Moving mechanism                  | Rackless  |
|   | Moving range (mm)                 | 78x54   |
|   | Material                          | Anti-scratch painting   |
|   | Specimen holder                   | Yes   |
|   | Slide number                      | 2   |
|   | Click-stop (45°)                  | No  |
|   | X-Y Vernier scale                 | Yes   |
|   | Vernier scale accuracy (mm)       | 0.1   |

|  |  |   |
|--|--|---|
| <b>Condenser - Single Position</b>               | Type   | Swing-out   |
|  | Removable                                    | Yes   |
|  | Numerical aperture (N.A.)                    | 0.2 / 0.9   |
|  | Numerical aperture scale                     | Yes   |
|  | Diaphragms                                   | Iris  |
|  | Centrable                                    | Yes   |
|  | Focusable                                    | By rack and pinion  |
| <b>Focusing System</b>                           | Type   | Coaxial coarse & fine   |
|  | Coarse total travel (mm)                     | 25  |
|  | Fine total travel (per single rotation) (mm) | 0.2   |
|  | Fine graduations                             | 100   |
|  | Fine resolution (µm)                         | 2   |
|  | Upper stop to prevent contact                | Yes   |
|  | Adjustable tension                           | Yes   |
|  | Flat knob for ergonomomy                     | Yes   |
| <b>Transmitted Illumination</b>                  | Kohler illumination                          | Full  |
|  | Type   | X-LED   |
|  | X-LED type                                   | X-LED3  |
|  | Light source power (W)                       | 3.6   |
|  | Brightness control                           | Manual  |
|  | Lifetime (hours)                             | > 65,000  |
|  | Temperature (K)                              | 6,300   |
|  | Max. required power (W)                      | 6   |
| <b>Power Supply for Transmitted Illumination</b> | Type   | External  |
|  | Microscope connector                         | Jack, 2.1 mm  |
|  | Power plug type                              | Multi-plug (EU, UK, US)   |
|  | Input voltage                                | 100/240 Vac, 50/60 Hz   |
|  | Output voltage                               | 6 Vdc 2.5 A   |
| <b>Accessories Included</b>                      | Dust cover                                   | Yes   |
|  | Immersion oil (10ml)                         | Yes   |
|  | Tension adjustment tool                      | Yes   |
|  | Allen wrench                                 | Yes   |
|  | User Manual                                  | Digital version (downloadable)  |
| <b>Additional Information</b>                    |  | Heating stage (as optional).<br>External rechargeable battery pack (as optional). |
| <b>Product Dimensions</b>                        | Height (mm)                                  | 420   |
|  | Width (mm)                                   | 270   |
|  | Depth (mm)                                   | 390   |
| <b>Product Weight</b>                            | (kg)   | 9.1   |