



*Trinocular phase contrast microscope,  
1000x, IOS W-PLAN objectives,  
Walton & Beckett eyepiece*

|   |                                   |                         |
|---|-----------------------------------|-------------------------|
| <b>Observation Method - Transmitted Light</b> | Brightfield                       | Yes                     |
|   | Phase contrast (Positive type)    | Yes                     |
|   | 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 (standard)</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>Eyepieces (W&amp;B)</b>                    | Field number (mm)                 | 18                      |
|   | Magnification                     | 12.5x                   |
|   | Planar type                       | Yes                     |
|   | Graticule                         | Walton & Beckett 3:1    |
|   | High eyepoint (for glass wearers) | Yes                     |
| <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   |
|   |                                   | 10x/0.25, W.D. 10 mm    |
| PH 40x/0.65, W.D. 0.54 mm                     |                                   |                         |
| 100x/1.25 (Oil), 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   |
|  | X-Y Vernier scale                              | Yes   |
|  | Vernier scale accuracy (mm)                    | 0.1   |
| <b>Condenser - Multiple Position</b>             | Type   | Abbe.<br>Brightfield - Phase contrast   |
|  | Number of positions                            | 2 (BF, 40x)   |
|  | Numerical aperture (N.A.)                      | 1.25  |
|  | Magnification scale for simplified positioning | Yes   |
|  | Removable                                      | 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 ( $\mu\text{m}$ )              | 2   |
|  | Upper stop to prevent contact                  | Yes   |
|  | Adjustable tension                             | Yes   |
|  | Flat knob for ergonomy                         | 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   |
|  | Centering telescope                            | Yes   |
|  | Green filter                                   | 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   |



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