



Inverted trinocular brightfield/phase contrast microscope, IOS

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| Observation Method - Transmitted Light | Brightfield | Yes |
| | Phase contrast (Positive type) | Yes |
| Main Body | Type | Inverted |
| | Construction material | Aluminum die-cast |
| Head | Type | Trinocular (Siedentopf) |
| | Split ratio | 100/0 - 50/50 |
| | Inclination | 45° |
| | Interpupillary distance (mm) | 50-75 |
| | Dioptric adjustment | On left tube |
| | Tube inner diameter (mm) | 30 |
| Eyepieces | 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 |
| Nosepiece | Positions | Quintuple |
| | Reversed | Yes |
| | Bi-directional | Yes |
| | Rotation on ball bearings | Yes |
| | Objective thread | RMS |
| Objectives | Optical system | ∞ |
| | Anti-fungus treatment | Yes |
| | Parfocal distance (mm) | 45 |
| | Standard magnifications | 100x-400x |
| | Type | IOS LWD W-PLAN PH |
| | | IOS LWD W-PLAN PH 10x/0.25, W.D. 7.3 mm |
| | | IOS LWD W-PLAN PH 20x/0.40, W.D. 6.8 mm |
| | | IOS LWD W-PLAN PH 40x/0.65, W.D. 3.0 mm |
| Stage | Type | Fixed |
| | Dimensions (mm) | 250x160 |
| | Material | Anti-scratch painting |
| | Glass round insert | Yes |
| | Metal round insert | Yes |

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| Condenser - Single Position | Type | Abbe |
| | Removable | Yes |
| | Numerical aperture (N.A.) | 0.30 |
| | Diaphragms | Iris |
| | Slider for phase contrast | BF, 4x/10x, 20x/40x positions |
| | Long working distance | Yes |
| | Working distance (for LWD) (mm) | 72 |
| | Extendable working distance (for LWD) (mm) | up to 150 |
| Focusing System | Type | Coaxial coarse & fine |
| | 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 |
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| Transmitted Illumination | Type | X-LED |
| | X-LED type | X-LED8 |
| | Light source power (W) | 8 |
| | Brightness control | Manual |
| | Lifetime (hours) | > 65,000 |
| | Temperature (K) | 6,300 |
| | Max. required power (W) | 13 |
| | | |
| Power Supply for Transmitted Illumination | 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 |
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| Accessories Included | Dust cover | Yes |
| | Allen wrench | Yes |
| | Centering telescope | Yes |
| | Green filter | Yes |
| | User Manual | Digital version (downloadable) |
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| Additional Information | | Mechanical stage dimension 250x230 mm, X-Y translation range 120x80 mm (as optional). Metallic interchangeable inserts for slides, Petri dishes, Terasaki, multi-Well plates (as optional). |
| Product Dimensions | Height (mm) | 495 |
| | Width (mm) | 230 |
| | Depth (mm) | 540 |
| Product Weight | (kg) | 9 |



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.