



Gemological trinocular stereozoom microscope, 7x...45x, tiltable stand, transmitted & incident light

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|-----------------------------------------------|------------------------------------|-------------------------------------------|
| Observation Method - Transmitted Light | Brightfield | Yes |
| | Darkfield | Yes |
| | Simple polarized light | As optional |
| Observation Method - Incident Light | Brightfield | Yes |
| | Darkfield | Yes |
| | Simple polarized light | As optional |
| Head | Type | Trinocular |
| | Construction material | Aluminum & Plastic molds / Aluminum gears |
| | Split ratio | Fixed. 50 (eyepiece) / 50 (photo) |
| | Inclination | 45° |
| | 360° rotating | Yes |
| | Interpupillary distance (mm) | 51-75 |
| | Dioptric adjustment | On both tubes |
| | Head holder internal diameter (mm) | 76 |
| Tube inner diameter (mm) | 30 | |
| Eyepieces | Field number (mm) | 21 |
| | Magnification | 10x |
| | Micrometric scale | As optional |
| | Diameter of micrometer glass (mm) | 23 |
| | High eyepoint (for glass wearers) | Yes |
| | Rubber cup | Yes |
| | Retractable protections | Yes |
| Objective | Optical system | Greenough |
| | Anti-fungus treatment | Yes |
| | Objective Type | Achromatic |
| | Zoom type | Parfocal achromatic |
| | Working distance (mm) | 100 |
| | Standard magnifications | 7x-45x |
| | Zoom ratio | 6,43 |
| | Objective numerical aperture | 0.02 @ 0.7x 0.07 @ 4.5x |
| | Objective resolution | 59 lp/mm @ 0.7x 208 lp/mm @ 4.5x |

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| Focusing System | Type | Coarse |
| | Coarse total travel (mm) | 114 |
| | Adjustable tension | Yes |
| | Head holder internal diameter (mm) | 76 |
| Stand | Type | Fixed arm |
| | Tilting mechanism | Yes, full 90° tilt angle and 360° rotating |
| Stage | Gemological clamp | Yes, adjustable |
| Transmitted Illumination | Type | LED |
| | Darkfield illuminator | Yes, side-emitting LEDs |
| | Lever for dark background insertion | Yes |
| | Selector for illumination modes | Yes, 3 modes: - brightfield only - darkfield only - both brightfield and darkfield. |
| | Light source power (W) | 2 |
| | Illuminance (lux) | 6,000 |
| | Brightness control | Manual |
| | Lifetime (hours) | > 65,000 |
| | Temperature (K) | 6,300 |
| Max. required power (W) | 3 | |
| Incident Illumination | Type | LED |
| | X-LED type | X-LED2 |
| | Light source power (W) | 3 |
| | Illuminance (lux) | 80,000 |
| | Brightness control | Manual |
| | Lifetime (hours) | > 65,000 |
| | Temperature (K) | 6,500 (Nordic light) |
| Max. required power (W) | 6 | |
| Power Supply for 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 | 12 Vdc 1.5 A |
| Accessories Included | Dust cover | Yes |
| | User Manual | Digital version (downloadable) |
| Additional Information | Maximum sample height (mm): | 90 |
| Product Dimensions | Total height (mm) | 480 |
| | Head height (mm) | 230 |
| | Head width (mm) | 140 |
| | Head depth (mm) | 150 |
| | Base height (mm) | 60 |
| | Base width (mm) | 210 |
| | Base depth (mm) | 270 |
| Product Weight | (kg) | 10 |