

3000-LED MICROSCOPE SERIES

ACCU-SCOPE® microscopes are engineered
to the highest quality standards



Delivering Quality thru Vision

3000-LED MICROSCOPE SERIES

Superb Optics, Durable and High Performance

The ACCU-SCOPE® 3000-LED Microscope Series delivers outstanding optical performance, value and resolution to meet the exacting standards of life science professionals and students. With a newly designed infinity plan optical system, a best in class 20mm field of view and a super-bright 3 watt LED illuminator, the 3000-LED Series provides high contrast images with outstanding resolution, precision design and enhanced illumination.

Digital Imaging Simplified

Integrating the 3000-LED Series with our Micrometrics® digital cameras and imaging software offers users outstanding results and unprecedented value for image documentation. Micrometrics® cameras provide excellent color reproduction and fast frame rates to meet the needs of today's life science professionals. Micrometrics® software provides users with an intuitive and comprehensive system for image capture, measurement, annotation and report generation. Images can be easily emailed, shared, compared or stored for archival purposes and future reference.



3000-LED SERIES SPECIFICATIONS

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|------------------------|---|
| Optical System | Infinity Optical System, f=180mm, Anti-Mold |
| Viewing Head | Siedentopf type, inclined 30°; interpupillary distance adjustment 48-75mm, 360° rotatable; available in binocular or trinocular configurations |
| Eyepieces | HWF Plan 10x eyepiece, 20mm field of view with built-in diopter adjustment; a pointer is standard in one eyepiece; eyepieces are locked-in to prevent classroom tampering |
| Nosepiece | Rear facing quadruple, ball bearing nosepiece with positive click stops to ensure parcentration |
| Objectives | Infinity Plan achromat 4x (N.A. 0.10), 10x (N.A. 0.25), 40xR* (N.A. 0.65), 100xR oil* (N.A. 1.25) are standard — (*spring-loaded) |
| Stage | Stage size 140mm X 132mm with X-Y movement range of 76mm X 50 mm |
| Condenser | N.A. 1.25 Abbe condenser (with slot for sliders) on a rack and pinion with iris diaphragm; glass lens in condensing system protects iris diaphragm from classroom tampering |
| Focusing System | Coaxial focusing system with adjustable tension control and upper limit stop to prevent accidental damage to slides; all metal gears, brass fine focus gear |
| Illumination | 3 watt LED with variable intensity control; LED bulb is rated for over 25,000 hours of continued use |
| Accessories | Dust cover, immersion oil and instruction manual, universal power supply 110v-240v |
| Stand | Cast alloy aluminum; coaxial coarse and fine focusing controls. Physical Weight: 16lbs. Microscope Dimensions (LWH): 387mm x 196mm x 391mm |

3000-LED SERIES OPTIONAL ACCESSORIES

| | |
|------------------------|--|
| Digital Imaging | AU Series CCD and CMOS Cameras and image analysis software, Micrometrics® CCD and CMOS Cameras and image analysis software |
| Eyepieces | HWF15x/16mm field of view with built-in diopter (accepts 20mm reticle) HWF20x/12.5mm field of view eyepiece with built-in diopter (does not accept a reticle) |
| Objectives | Infinity plan achromat 20x, 50xR* oil and 60xR*; 10x, 20x, 40xR* or 100xR* Infinity Plan Phase objectives |
| Phase Contrast | Phase sliders for 10x/BF/40x and 20x/BF/100x; Darkfield sliders; Simple polarizer/analyzer |
| Miscellaneous | Optional cord hanger, field diaphragm and carry case, Darkfield slider (4x – 40x), Simple polarizer/analyzer |
| Warranty | 5 year limited warranty for parts, labor and electronic components; LED bulb warranted for 1 year |

3000-LED SERIES CONFIGURATIONS

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|---------------------|------------|---|
| 3000-LED | Binocular | Infinity Plan achromat 4x, 10x, 40xR and 100xR oil objectives |
| 3001-LED | Trinocular | Infinity Plan achromat 4x, 10x, 40xR and 100xR oil objectives |
| 3000-LED-SPH | Binocular | Plan phase contrast 10x and 40xR objectives |
| 3001-LED-SPH | Trinocular | Plan phase contrast 10x and 40xR objectives |



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