



3012 Microscope Series

Catalog No.	Description
3012-LED	<p>Binocular Microscope, Plan Achromat Objectives Binocular viewing head, inclined 30°, rotatable 360° HWF10x/22mm focusing eyepieces with eyeguards Reversed quintuple nosepiece AIS E Plan Infinity 4x, 10x, 40xR and 100xR oil objectives Rackless mechanical stage w/ low position coaxial controls Abbe condenser, N.A. 1.25 with iris diaphragm & filter holder Coaxial coarse and fine focusing controls 5 watt variable LED illuminator. LED bulb has a rated life of 20,000 hours, dust cover & power cord</p>
3013-LED	<p>Trinocular Microscope, Plan Achromat Objectives Same as 3012-LED except with trinocular viewing head</p>
12-FD-UPG	<p>Field Iris Diaphragm for Koehler-Type Illumination Upgrade <i>C-mounts and photo tubes are sold separately</i></p>
3012D-LED	<p>Binocular Microscope, Plan Achromat Objectives, 100xR Dry Obj. Binocular viewing head, inclined 30°, rotatable 360° HWF10x/22mm focusing eyepieces with eyeguards Reversed quintuple nosepiece AIS E Plan Infinity 4x, 10x, 40xR objectives. 100xR DRY Plan objective Rackless mechanical stage w/ low position coaxial controls Abbe condenser, N.A. 1.25 with iris diaphragm & filter holder Coaxial coarse and fine focusing controls 5 watt variable LED illuminator. LED bulb has a rated life of 20,000 hours., dust cover & power cord</p>
3013D-LED	<p>Trinocular Microscope, Plan Achromat Objectives, 100xR Dry Same as 3012D-LED except with trinocular viewing head</p>
12-FD-UPG	<p>Field Iris Diaphragm for Koehler-Type Illumination Upgrade <i>C-mounts and photo tubes are sold separately</i></p>

Catalog No.	Description
3012-LED-SPH	Binocular Microscope with Slider Phase Contrast Binocular viewing head, inclined 30°, rotatable 360° HWF10x/22mm focusing eyepieces with eyeguards Reversed quintuple nosepiece AIS E Plan Infinity 4x, 10x, 40xR and 100xR oil objectives Rackless mechanical stage w/ low position coaxial controls Abbe condenser, N.A. 1.25 with iris diaphragm & filter holder Coaxial coarse and fine focusing controls 5 watt variable LED illuminator. LED bulb has a rated life of 20,000 hours, dust cover & power cord
3013-LED-SPH	Trinocular Microscope with Slider Phase Contrast Same as 3012-LED-SPH except with trinocular viewing head <i>C-mounts and photo tubes are sold separately</i> <i>All Phase units should use CAT# 5038 for the C-mount</i>
3012-LED-PH	Binocular Microscope w/Turret Phase Contrast Same as 3012-PH except with variable 5 watt LED illuminator
3013-LED-PH	Trinocular Microscope with Turret Phase Contrast Same as 3012-LED-PH except with trinocular viewing head <i>C-mounts and photo tubes are sold separately</i> <i>All Phase units should use CAT# 5038 for the C-mount</i>
Camera and Video Adapters	
12-2005-5	0.50x c-mount adapter for 1/2" chip sensors
5038	0.50x c-mount adapter for 1/2" chip sensors (mounts into photo tube)
5048	Locking clamp for 5038 into Photo Tube to prevent rotation
12-2000	Photo tube
Fluorescence Attachment	
12-3231	Epi-fluorescence attachment with two position filter slider (there is no BF position), Chroma FITC/GFP and DAPI Filter set, neutral density filter slider, 100 watt mercury lamp house and 100w mercury power supply, HBO 100W/2 Lamp
Viewing Heads	
12-3155	Binocular viewing head (no eyepieces)
12-3158	Trinocular viewing head 50/50 constant light split (no eyepieces)
Eyepieces	
12-3110	HWF10x focusing eyepiece, 22mm field of view. Eyepiece accepts a 26.5mm reticle
12-3110-R	HWF10x focusing eyepiece, 22mm field of view with built-in diopter adjuster with 10mm/100 division eyepiece reticle with cross-line
12-3106	WF15x focusing eyepiece, 16mm field of view. Eyepiece accepts a 20mm reticle.
12-3107	WF20x focusing eyepiece, 12.5mm field of view. Eyepiece does not accept a reticle

Catalog No.	Description
<i>Eyepiece Pointer, Reticles and Stage Micrometer</i>	
12-3130	Eyeiece pointer, reticle (each)
12-3137-26	26.5mm eyepiece reticle, 10mm/100 divisions with crossline
131-12-10	20mm eyepiece reticle, 10mm/100 division with crossline
3145	Stage micrometer, 1mm/100 divisions (each division .010mm)

<i>Plan Achromat Objectives</i>	
12-3173-PL	4x infinity plan objective, N.A. 0.10, W.D. 25mm
12-3174-PL	10x infinity plan objective, N.A. 0.25, W.D. 6.7mm
12-3177-PL	20x infinity plan objective, N.A. 0.40, W.D.6.4mm
12-3175-PL	40xR infinity plan objective, N.A. 0.65, W.D. 0.6mm
25-3179-PL	50xR oil AIS Plan achromat objective, N.A. 0.90, W.D. 0.12mm
12-3178-PL	60xR infinity plan objective, N.A. 0.8, W.D. 0.30mm
12-3176-PL	100xR oil infinity plan objective, N.A. 1.25, W.D. 0.14mm
12-3176D-PL	100xR Dry infinity plan objective, N.A. 0.90, W.D. 0.59mm

<i>Phase & Polarization Accessories</i>	
12-3223-DF	Darkfield / Brightfield slider (use with slider phase condenser only)
12-3227	Slider phase contrast condenser, N.A. 1.25, 10x & 40x phase annuli slider, with brightfield position, Plan Ph10x and Ph40xR, green filter and centering telescope
12-3224-100	100x phase annuli on slider with brightfield position
12-3176-PH	100xR oil plan phase objective, N.A. 1.25, W.D. (for use on slider phase condenser)
12-3225	Turret phase contrast condenser w/BF & DF position, plan phase 10x, 40xR and 100xR oil objectives, centering telescope, green filter
12-3221-SPH	N.A. 1.25 Abbe condenser with iris diaphragm and slots for sliders
12-3221	N.A. 1.25 Abbe condenser with iris diaphragm and filter holder
12-3228	Simple/Polarizer Analyzer

<i>Miscellaneous Accessories & Components</i>	
12-3248	Illuminator housing w/ field iris (diaphragm) for koehler-type illum.
12-3247	Illuminator housing
3205	Immersion Oil - Type A, 1/4 oz Cargille
3253	12 volt 20 watt halogen lamp, 5/pk
12-3258-LED	3 watt LED replacement lamp with heat sink (S/N 11xxxx call to confirm)
12-3259-LED	5 watt LED replacement lamp with heat sink
3301-L	Dust cover - large
12-3222	Filter holder with blue filter
3251	Cord Hanger with screws