



## EXC-400 Microscope Series

CATALOG #	DESCRIPTION
<b>EXC-400</b>	<p><b>Trinocular with Plan Objectives</b>            Trinocular viewing head, inclined 30°, rotatable 360°            WF10x/22mm focusable eyepieces with eyeguards            Reversed quintuple nosepiece            Infinity plan achromat 4x, 10x, 40xR &amp; 100xR oil objectives            N.A 1.25 swing-out achromatic condenser            Ceramic hard coated mechanical stage,            Coaxial focusing, variable 3w LED illumination with field iris, dust cover</p>
<b>EXC-400-SAPO</b>	<p><b>Trinocular with S-Plan Apo Objectives</b>            Same as EXC-400, but with S-Plan APO 4x, 10x, 40xR &amp; 100xR oil</p>
<b>EXC-400-PH</b>	<p><b>Trinocular with Turret Phase System</b>            Trinocular viewing head, inclined 30°, rotatable 360°            WF10x/22mm focusing eyepieces with eyeguards            Reversed quintuple nosepiece            N.A. 1.25 Turret phase condenser - 10x, 20x, 40x, &amp; 100x phase annuli and plan phase objectives, green filter and centering telescope            Ceramic hard coated mechanical stage with low position coaxial controls, right hand control            Coaxial coarse and fine focusing controls            3 watt variable LED with field iris and dust cover</p>

### Teaching Head Configurations

<b>500-2FTB</b>	Dual viewing head section for front to back observation, LED pointer unit, (1) binocular viewing head, (2) WF10x/22mm eyepieces
<b>500-2SBS</b>	Dual viewing head section for side by side observation with support post, LED pointer unit, (1) binocular viewing head, (2) WF10x/22mm eyepieces

### Camera and Video Adapters

00-2010-35	0.35x c-mount adapter for 1/3" chip sensors, adjustable focus
00-2010-50	0.50x c-mount adapter for 1/2" chip sensors, adjustable focus
00-2010-65	0.65x c-mount adapter for 2/3" chip sensors, adjustable focus
00-2010-1	1x c-mount adapter for 1" chip sensors, adjustable focus
00-2010-P	Photo tube with focus adjustment

### Viewing Heads

400-3158	Trinocular viewing head, inclined 30°, 100/0 or 50/50 light split (no eyepieces or adapters)
400-3158-F	Trinocular viewing head, inclined 30°, 100/0 or 0/100 light split (no eyepieces or adapters)



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***Eyepieces and Reticles***

400-3113	WF10x/22mm focusable eyepiece with diopter adjustment and roll down eyeguard
132-10-11	WF10x/20mm focusable eyepiece with diopter adjustment and roll down eyeguard
131-10-15	WF15x eyepiece with built-in diopter adjustment, 16mm field of view. Eyepiece accepts a 20mm reticle.
131-10-20	WF20x eyepiece with built-in diopter adjustment, 12.5mm field of view. Eyepiece does not accept a reticle.
400-3131	Eyeguard cushion
3145	Stage micrometer, 1mm/100 divisions (each division .010mm)

***Plan Achromat Objectives***

400-3172-PL	2x Plan achromat objective, N.A. 0.06, W.D. 5.03mm (use with filter slider) CAT# 00-3222-2X)
400-3173-PL	4x infinity plan achromat objective, N.A. 0.10, W.D. 11.9mm
400-3174-PL	10x infinity plan achromat objective, N.A. 0.25, 12.1mm
400-3177-PL	20x infinity plan achromat objective, N.A. 0.50, W.D. 1.56mm
400-3175-PL	40xR infinity plan achromat objective, N.A. 0.65, W.D. 0.36mm
350-3179-PL	50xR oil infinity plan objective, N.A. 0.95, W.D. 0.18mm
400-3178-PL	60xR infinity plan objective, N.A. 0.85, W.D. 0.30mm
400-3176-PL	100xR oil infinity plan achromat objective, N.A. 1.25, W.D. 0.18mm
12-3176D-PL	100xR <b>Dry</b> infinity plan objective, N.A. 0.90, W.D. 0.59mm

***Plan Phase Objectives and Condensers***

400-3174-PH	10x infinity plan phase contrast objective, N.A. 0.25, W.D. 12.1mm
400-3177-PH	20x infinity plan phase objective, N.A. 0.40, W.D. 1.50mm
400-3175-PH	40xR infinity plan phase objective, N.A. 0.65, W.D. 0.36mm
400-3176-PH	100xR oil infinity plan phase objective, N.A. 1.25, W.D. 0.18mm
400-3221-PH	Turret phase condenser - N.A. 1.25, phase annulli 10x, 20x, 40x, 100x and BF position
25-3226	Phase centering telescope

***NIS S-APO Objectives - Infinity Corrected***

350-3173-SAPO	4x NIS S-Plan APO objective, N.A. 0.13, W.D. 16.5mm
350-3174-SAPO	10x NIS S-Plan APO objective, N.A. 0.30, W.D. 8.1mm
350-3177-SAPO	20xR NIS S-Plan APO objective, N.A. 0.50, W.D. 2.1mm
350-3175-SAPO	40xR NIS S-Plan APO objective, N.A. 0.75, W.D. 0.70mm
350-3176-SAPO	100xR NIS S-Plan APO objective, N.A. 1.30, W.D. 0.15mm

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### Miscellaneous Accessories

400-3228-AN	Analyzer
400-3228-POL	Simple Polarizer
400-3228-QWP	1/4 $\lambda$ wave plate
400-3230	Rotatable polarizer, with attached, insertable red compensator plate (Must order simple analyzer CAT# 400-3328-AN separately to complete set-up for Gout)
350-3240-LBD	45mm LBD filter
00-3245-Y	45mm Yellow filter
350-3240-G	GIF 550nm, Green filter - 45mm
00-3245-ND	45mm Neutral density filter
3205	Immersion Oil - Type A, 1/4 oz Cargille
400-3365	3 watt LED replacement lamp assembly
400-3301	Dust cover
350-3277-3	3.15 amp fuse, 5/pk

### Fluorescence Attachments, ScopeLED & Metal Halide

400-3231	6 position reflected illuminator with field iris, shutter slider, UV protection plate for use with LED or Metal Halide systems
SLAF-OL1	Adapter/Mount for ScopeLED
SLF110-LX	ScopeLED F110 package - choice of one fixed wavelength, control pod and power source
SLF120-PX	ScopeLED F120 package - choice of two fixed wavelengths, control pod and power source
SLF130-LX	ScopeLED F130 package - choice of three fixed wavelengths, control pod and power source
SLF140-GX	ScopeLED F140 package - choice of four fixed wavelengths, control pod and power source
25-LM-75	Direct mount metal halide illuminator, 340-800nm output range, 1500 hour bulb life

### ScopeLED® Wavelength Options

390 $\pm$ 5, 440 $\pm$ 5, 470 $\pm$ 10, 525, 540 $\pm$ 5, 560P( $\pm$ 10), 595 $\pm$ 5, 640 $\pm$ 5, 660 $\pm$ 5, 740 $\pm$ 5

### Fluorescence Filter Sets

400-39000	<b>DAPI</b> , Exciter: AT350/50x, Dichroic: AT410DC, Emitter: AT460/50m
400-49028	<b>DAPI</b> , Exciter: 395/25x, Dichroic: T425lpxr, Emitter: ET 460/50m (Must be used for ScopeLED systems)  <b>***If using a ScopeLED Illuminator this is the DAPI set that must be used***</b>
400-39002	<b>GFP, FITC</b> , Exciter: AT480/30x, Dichroic: AT505DC, Emitter: AT535/40m
400-39004	<b>TRITC</b> , Exciter: AT540/25x, Dichroic: AT565DC, Emitter: AT605/55m
400-39007	<b>Cy5</b> , Exciter: AT620/50x, Dichroic: AT655DC, Emitter: AT690/50m
400-39009	<b>Acridine Orange, Di-8-ANEPPS</b> , Exciter: AT480/30x, Dichroic: AT505DC, Emitter: AT620/60m
400-39010	<b>Texas Red</b> , Exciter: AT560/40x, Dichroic: AT600DC, Emitter: AT635/60m
400-FC-BL	Blank filter cube

**Additional filter sets are available via special order, call for availability**