



## EXC-350 Series

CATALOG #	DESCRIPTION
<b>EXC-350</b>	<p><b>Trinocular with Plan Objectives</b>            Trinocular viewing head, inclined 30°, rotatable 360°            WF10x/20mm focusing eyepieces with eyeguards            Reversed quintuple nosepiece            Infinity corrected PLAN 4x, 10x, 40xR and 100xR oil objectives            Mechanical stage with low position coaxial controls, right hand control            N.A. 1.25 Abbe Condenser with iris diaphragm            Coaxial coarse and fine focusing controls            3 watt variable LED with field iris and dust cover</p>
<b>EXC-350-APO</b>	<p><b>Trinocular with S-Plan Apo Objectives</b>            Same as EXC-350, but with S-Plan APO 4x, 10x, 40xR &amp; 100xR oil</p>
<b>EXC-350-PH</b>	<p><b>Trinocular with Turret Phase System</b>            Trinocular viewing head, inclined 30°, rotatable 360°            WF10x/20mm focusing eyepieces with eyeguards            Reversed quadruple nosepiece            N.A. 1.25 Turret phase condenser - 10x, 20x, 40x, &amp; 100x phase annuli and objectives, green filter and centering telescope            Mechanical stage with low position coaxial controls, right hand control            N.A. 1.25 Abbe Condenser with iris diaphragm            Coaxial coarse and fine focusing controls            3 watt variable LED with field iris and dust cover</p>
<b>EXC-350-SPH</b>	<p><b>Trinocular with Slider Phase System</b>            Trinocular viewing head, inclined 30°, rotatable 360°            WF10x/20mm focusing eyepieces with eyeguards            Reversed quintuple nosepiece            N.A. 1.25 Abbe condenser with (1) phase slider with 10x &amp; 40x phase annuli and brightfield position and green filter            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>
<b>EXC-350-470</b>	<p><b>Trinocular with Plan Objectives &amp; Integrated LED Fluorescence for FITC/GFP</b>            Trinocular viewing head, inclined 30°, rotatable 360°            WF10x/20mm focusing eyepieces with eyeguards  <b>Integrated LED Fluorescence for FITC/GFP</b>            Reversed quintuple nosepiece            Infinity corrected PLAN 4x, 10x, 40xR and 100xR oil objectives            Mechanical stage with low position coaxial controls, right hand control            N.A. 1.25 Abbe Condenser with iris diaphragm            Coaxial coarse and fine focusing controls            3 watt variable LED with field iris and dust cover</p>

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### **Camera and Video Adapters**

00-2005-35	0.35x c-mount adapter for 1/3" chip sensors, adjustable focus
00-2005-5	0.50x c-mount adapter for 1/2" chip sensors, adjustable focus
00-2005-67	0.67x c-mount adapter for 2/3" chip sensors, adjustable focus
00-2005-1	1x c-mount adapter for 1" chip sensors, adjustable focus
00-2000	Photo tube with focus adjustment

### **Viewing Heads**

350-3158	Trinocular viewing head, inclined 30°, 80/20 or 0/100 light split (no eyepieces or adapters)
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### **Eyepieces and Reticles**

131-10-11	WF 10x/22mm focusable eyepiece with diopter adjustment and roll down eyeguard
132-10-11	WF 10x/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.
131-10-01	Roll down eyeguards (pair)
3145	Stage micrometer, 1mm/100 divisions (each division .010mm)

### **Plan Achromat Objectives**

00-3172-PL	2x Plan achromat objective, N.A. 0.06, W.D. 5.03mm (use with filter slider CAT# 00-3222-2X)
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
350-3179-PL	50xR oil plan achromat objective, N.A. 0.95, W.D. 0.18mm
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 <b>Dry</b> infinity plan objective, N.A. 0.90, W.D. 0.59mm

### **Plan Phase Objectives, Condensers and Sliders**

00-3174-PH	10x infinity plan phase contrast objective, N.A. 0.25, W.D. 12.1mm
00-3177-PH	20x infinity plan phase objective, N.A. 0.40, W.D. 1.50mm
00-3175-PH	40xR infinity plan phase objective, N.A. 0.65, W.D. 0.36mm
00-3176-PH	100xR oil infinity plan phase objective, N.A. 1.25, W.D. 0.18mm
350-3221-PH	Turret phase condenser - N.A. 1.25, phase annuli 10x, 20x, 40x, 100x and BF position
00-3224-1040	Phase contrast slider with BF position, 10x-40x phase annuli positions
00-3224-20100	Phase contrast slider with BF position, 20x-100x phase annuli positions
00-3226	Phase centering telescope

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***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

***Miscellaneous Accessories***

00-3222-2X	Diffusing slider for use with 2x objective
00-3223-DF	Darkfield slider with BF and 4-40x positions
350-3228-AN	Analyzer
350-3228-POL	Simple Polarizer
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
3251	Cord hanger with screws (pair)
00-3365	3 watt LED replacement lamp
3301-L	Dust cover
350-3213	Mechanical stage
350-SH	Slide holder for mechanical stage
350-3221	N.A. 1.25 abbe condenser (with slot for sliders) and iris diaphragm
350-3277-3	3.15 amp fuse, 5/pk

***Fluorescence Attachments - Complete Systems***

350-LED-470	Integrated LED fluorescence attachment for FITC/GFP
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***FRAEN® Reflected Illuminators & Filter Sets for Fluorescence***

F-1CFW-1CF	FRAEN® 1CFW - 1 color fixed light intensity, fluorescence illuminator, 30,000 hour rated life, includes 1 filter set
F-1CFW-1CV	FRAEN® 1CFW - 1 color variable light intensity, fluorescence illuminator, 30,000 hour rated life, includes 1 filter set
F-2CFW-2CF	FRAEN® 2CFW - 2 color fixed light intensity, fluorescence illuminator, 30,000 hour rated life, includes 2 filter sets
F-3CFW-2CF	FRAEN® 3CFW - 2 color fixed light intensity, fluorescence illuminator, 30,000 hour rated life, includes 2 filter set
F-3CFW-3CF	FRAEN® 3CFW - 3 color fixed light intensity, fluorescence illuminator, 30,000 hour rated life, includes 3 filter set
F-CFW-350	Dovetail for EXC-350 Series for Fraen® illuminators

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**Reflected Illuminator, ScopeLED & Metal Halide Illuminators**

350-3231-C	4 position reflected illuminator with field iris, shutter slider, UV protection plate for use with ScopeLED or Metal Halide systems
SLF110-LX	ScopeLED F110 single wavelength fluorescence illuminator, control pod and power source
SLF120-PX	ScopeLED F120 dual wavelength fluorescence illuminator, control pod and power source
SLF140-GX	ScopeLED F140 four wavelength fluorescence illuminator, control pod and power source
SLAF-OL1	ScopeLED collimating adapter for EXC-500/EXC-350
350-LM-75	75 watt Metal halide direct mount fluorescence illuminator

**(Specify wavelength required when ordering ScopeLED products)**

**ScopeLED Wavelengths:** 390±5, 440±5, 470±10, 525, 540±5, 560P(±10), 595±5, 640±5, 660±5, 740±5

**Mercury Fluorescence Systems**

350-3231	4 position reflected illuminator with field iris, shutter slider for use with mercury lamp house, UV protection plate
350-MLH	Mercury lamp house, collector lens system and socket
350-3233	100 watt mercury power supply
350-3231-FC	Blank filter cube

**Please see Fluorescence/Filter Sets Price List for Filter Options**