

XPL-1500



XPL-1500 series transmitted and reflected polarization microscope

XPL-1500 series transmitted and reflected polarization microscopes are utilized polarize light to observe and research the matter which has double refraction features, the user can make the single polarizing observation, orthoscopic observation, colonoscopic observation. They are applied in geology, chemicals, physic and leechdom fields. They are also widely used to observe the crystal of liquid macromolecule polymer, biomedical polymer, and liquid crystal. They are the ideal instruments for scientific research and universities teaching demo.

Features

- * Transmitted, Reflected, transmitted/reflected illumination can be chosen
- * Equipped with strain-free plan objectives(center adjustable) and wide field eyepiece
- * Coaxial coarse/fine focus system with tensional adjustable and up stop, minimum division of fine focusing: 2 μ m
- * Rotatable stage, 360° graduated in 1° increments, minimum retardation resolution 6' center adjustable and with tightener Stage vertical effective movement up to 30mm
- * Wide voltage range power supply (85-265V 47-60HZ), 6V20W halogen lamp, brightness adjustable

Standard Configuration:

Model	XPL-1500 (Transmitted illumination)	XPL-1530 (Transmitted & reflected illumination)	XPL-1503 (Reflected illumination)
Eyepiece	Wide field WF10X (Ø18mm)		
	Division eyepiece 10X (Ø18mm) 0.10mm/div		
Objective (center adjustable)	Strain-free plan achromatic objective (cover glass:0.17mm) PL 4X/0.10	Strain-free plan achromatic objective (no cover glass) PL 5X/0.12	
	Strain-free plan achromatic objective (cover glass:0.17mm)PL 10X/0.25	Strain-free plan achromatic objective (no cover glass) PL L 10X/0.25	
	Strain-free plan achromatic objective(cover glass:0.17mm) PL 40X/0.65 (spring)	Strain-free plan achromatic objective (no cover glass) PL L40X/0.60 (spring)	

		Strain-free plan achromatic objective(cover glass:0.17mm) PL 60X/0.85 (spring)	Strain-free plan achromatic objective (no cover glass) PL L 60X/0.75 (spring)
Reflected illumination	Polarizer	N/A	Rotatable
	Illumination	N/A	6V 20w, halogen lamp, adjustable brightness
Transmitted illumination	Polarizer	360°rotatable, have 0,90,180,270 four scale	N/A
	Collector	For halogen lamp illumination	N/A
	Illumination	6V 20w, halogen lamp, adjustable brightness	N/A
	Abbe condenser	N.A. 1.25 Rack & pinion adjustable	N/A
Eyepieces tube	Trinocular, Inclination of 30°, can send 100% of the image light to top photography port		N/A
Intermediate attachment		Built-in analyzer can switch to normal observe or polarizing observe freely, 90° rotatable with scale, minimum retardation resolution 12'	
		Bertrand lens, impellent style, center adjustable	
		λ compensator	
		$\lambda/4$ compensator	
		Quarts wedge compensator	
Nosepiece	Quadruple (Frontward ball bearing inner locating)		
Focus system	Coaxial coarse/fine focus system, with tension adjustable and limit stopper, minimum division of fine focusing: 2 μ m		
Stage	Rotatable stage, Diameter μ 150mm, 360° graduated (in 1° increments), minimum retardation resolution 6' center adjustable and with tightener		

Optional accessories

Name	Sort/Technique parameter	NO.
Eyepiece	Wide field WF16X(Ø11mm)	1051016
Objective (center adjustable)	Strain-free plan achromatic objective(cover glass:0.17mm) PL 20X/0.40	2810320
	Strain-free plan achromatic objective(cover glass:0.17mm) PL 100X/1.25 (Oil ,spring)	2810311
	Strain-free plan achromatic objective(no cover glass) PL L 20X/0.40	2850320
	Strain-free plan achromatic objective(no cover glass) PL L 50X/0.70	2850350
	Strain-free plan achromatic objective(no cover glass) PL L 80X/0.80	2850380
	Strain-free plan achromatic objective (Dry) (no cover glass) PL L 100X/0.85 (Spring)	2850311
Nosepiece	Quadruple (Frontward ball bearing inner locating)£-adjust the center of objective	31007
Slide moving holder	Moving range: 30mmX25mm	116202

CCD adapter	0.4X	810001
	0.5X	810004
	1X	810002
	0.5X with dividing 0.1mm/Div	810003
Camera	DV-1 With USB & video output	800001
	DV-2 With USB output	800003
	DV-3 With video output	800005
Photo unit	2.5X/4X Change over photograph attachment with 10X viewing eyepiece	840001
	4X Focusing photograph attachment	840002
	MD Adapter	840003
	PK Adapter	840004
Digital camera adapter	CANON (A610,A620,A630,A640)	820001