

SPECIFICATIONS

BA310 POL
STANDARD CONFIGURATION
& OPTIONAL ACCESSORIES



General Specifications

Optional Configuration

Optical system	Color Corrected Infinity System CCIS®	
Observation system	30° inclination	
Interpupillary distance (mm)	55-75	
Eyepieces	N-WF 10X/20	
Diopter adjustment	+/- 5 dpt	
Reticles (25mm)	Crosshair in right eyepiece	Crosshair 10mm/100 divisions Crossed double scale 10mm/100 divisions
Trino light split	100:0/20:80	
Nosepiece	Reversed quadruple; 1 reference, 3 positions centrable	
Objective mounting thread RMS (W 4/5" X 1/36")	Yes	
EC Plan Achromat objectives	EC PL P 4X/0.10; 10X/0.25; 40X/0.65; 60X0.8	EC PL P 20X/0.40
Incident light objectives*		LM 5X/0.13; 10X/0.3; 20X/0.4; 50X0.55; 100X/0.8; High NA EC-M PL 20X/0.45; 50X/0.75*
Intermediate Tube	With Bertrand lens centrable/focusable, Compensator slot; Analyzer 360° rotatable and lockable	
Compensators		First Order RED (λ); λ/4; Quartz wedge 1-4 λ
Stage	360° rotatable, with 1° scale; lockable	
Stage size	160mm Ø	
Attachable x/y stage	Yes	Yes
Polarizer	On condenser carrier; 360° rotatable, 90° click-stop positions	
Focus	Brass gears; Z-axis movement 17mm; coaxial with tension adjustment	
Fine focus precision (µm)	2	
Upper limit stop	Preset, adjustable	
Transmitted light	6V/30W Halogen	
Incident light*		Epi-Illuminator 50W*
Condenser	Achromat swing out condenser NA 0.90/0.13; strain-free, with iris diaphragm	
Transformer	Internal	
Power supply	110-240V (CE)	
Filter holder	On top of light exit	
Filters	45mm Blue	45mm Green, Didymium, Neutral ND2
Dimensions (mm)	400 x 220 x 452	
Weight (kg)	10,4	
Contrast techniques		
Brightfield	Yes	
Darkfield	No	
DIC	No	
POL contrast	Yes	

* on special request

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SCHEMATIC DIAGRAMS & SYSTEM DIAGRAM (units: mm)

