



# BA310 POL Binocular

The BA-310POL is designed for the examination of birefringent samples from petrography and mineralogy, and can also be used for the synthetic materials industry where repeatable observations can be performed with efficiency and reliability. The BA-310POL also works especially well in Educational applications of material professions, where affordability and ease-of-use are key requirements.

Cat No. 1100100402241

Model	BA310 POL Binocular
Optical System	Colour Corrected Infinity Optical System (CCIS®)
Observation tube	Binocular head
Interpupillary distance	55-75mm
Inclination	30° inclined, 360° rotating
Eyepieces	N-WF10X/20mm with diopter adjustment, +/- 5 diopter, cross reticle on one eyepiece
Intermediate tube	Rotatable analyzer 360°, Bertrand lens 0,5X and slot for compensators
Nosepiece	Reversed quadruple revolving nosepiece, single centerable positions
Objective classification	Infinity Corrected CCIS EC Plan Achromatic Strain-free, DIN 45mm
Objectives	4X/0.10 (WD 15.9mm), 10X/0.25 (WD 17.4mm), 40X/0.65/S (WD 0.5mm), 60X/0.8/S (WD 0.35mm)
Objective mounting thread	W 4/5" x 1/36" (RMS standard)
Stage	360° circular rotating stage, 1° increments, 0,1° vernier scale and lockable
Stage size	Diameter 160mm
Upper limit stop	Upper limit stop preset but adjustable
Condenser	Achromat swing-out condenser N.A. 0.90/0.13 (strain-free) with iris diaphragm and rotatable polarizer
Focus mechanism	Coaxial coarse and fine focusing system with tension adjustment
Fine Focus precision	2 µm minimum increment
Z-axis movement	17mm
Filter holder	On top of the illuminator with fixing cap
Illumination	6V/30W Quartz Halogen Koehler illumination with intensity control
Transformer	Internal
Power supply	100-240V (CE)
Accessories included	Empty insertion plate, blue filter, power cord, dust cover, allen key, and spare fuse
Dimensions	400x220x452mm
Weight	10,2kg

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