



*Trinocular polarizing microscope, 600x,
IOS N-PLAN POL objectives, transmitted
light*

Observation Method - Transmitted Light	Brightfield	Yes
	Phase contrast (Positive type)	As optional
	Darkfield	As optional
	Quantitative polarized light	Yes
Main Body	Type	Upright
	Construction material	Aluminum die-cast
	Trasportation handle	Yes
Head	Type	Trinocular (Siedentopf)
	Split ratio	50/50
	Inclination	30°
	360° rotating	Yes
	Interpupillary distance (mm)	48-75
	Dioptric adjustment	On left tube
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23
Eyepieces	Field number (mm)	20
	Magnification	10x
	Pointer	As optional
	Micrometric scale	Yes
	Diameter of micrometer glass (mm)	21
	High eyepoint (for glass wearers)	Yes
	Rubber cup	Yes
Nosepiece	Positions	Quadruple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
	Centerable	Yes
Objectives	Optical system	∞
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-600x
	Type	IOS N-PLAN POL
		4x/0.10, W.D. 16.8 mm
		10x/0.25, W.D. 5.8 mm
	40x/0.65, W.D. 0.43 mm	
	60x/0.80, W.D. 0.14 mm	
Stage	Type	Round
	Rotation	360°
	Dimensions (mm)	160
	Material	Anti-scratch painting
	Specimen clips	Yes
	Slide number	1
	X-Y Vernier scale	Yes
	Vernier scale accuracy (mm)	0.1

Condenser - Single Position	Type	Abbe
	Removable	Yes
	Numerical aperture (N.A.)	1.25
	Magnification scale for simplified positioning	Yes
	Diaphragms	Iris
	Centrable	Yes
	Focusable	By rack and pinion
Focusing System	Type	Coaxial coarse & fine
	Coarse total travel (mm)	25
	Fine total travel (per single rotation) (mm)	0.2
	Fine graduations	100
	Fine resolution (μm)	2
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
	Flat knob for ergonomomy	Yes
Transmitted Illumination	Kohler illumination	Fixed (full as optional)
	Type	X-LED
	X-LED type	X-LED3
	Light source power (W)	3.6
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	6
Power Supply for Transmitted Illumination	Type	External
	Microscope connector	Jack, 2.1 mm
	Power plug type	Multi-plug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60 Hz
	Output voltage	6 Vdc 2.5 A
Accessories Included	Dust cover	Yes
	Immersion oil (10ml)	No
	Tension adjustment tool	Yes
	Allen wrench	Yes
	User Manual	Digital version (downloadable)
Additional Information		External rechargeable battery pack (as optional).
Product Dimensions	Height (mm)	460
	Width (mm)	235
	Depth (mm)	370
Product Weight	(kg)	7.8
Polarized Light Attachment	Bertrand lens - centerable	Centerable
	Bertrand lens - focusable	No
	Analyzer	90° rotatable
	λ tint plate	Yes
	$\lambda/4$ tint plate	Yes
	Quartz wedge tint plate	Yes