

Binocular polarizing microscope, 400x, rechargeable, N-PLAN objectives

Main Body	Type	Upright
	Construction material	Aluminum die-cast
	with trasportation handle	Yes
	Internal prism	Glass prism
	Optical system	Finite 160 mm
	LED indicator	Yes
	Optics with anti-fungus treatment	Yes
	Rotatable polarizer	Yes
	Slider with analyzer filter	Yes

Head	Type	Binocular
	Construction	Siedentopf
	Inclination	30°
	Rotation	360°
	Fixing screw for eyepieces	Yes
	Diopter adjustment	On left tube
	Diopter compensation	+5
	Interpupillary distance (mm)	48-75
	Tube inner diameter (mm)	23

Eyepieces	Magnification	10x
	Field number (mm)	18
	High eyepoint (for glass wearers)	Yes
	Micrometric scale	Optional
	Diameter of micrometer glass (mm)	20

Nosepiece	Positions	Quadruple
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS

Objectives	Type	N-PLAN
	Correction	Plan Achromatic
	Parfocal distance (mm)	DIN 45
	Optical system	Finite 160 mm
	Standard magnifications	4x-10x-40x

Stage	Dimensions (mm)	120
	Material	Anti-scratch painting
	Specimen clips	Yes
	Slide number	1
	Type	Round
	Rotation	360°
Condenser - Single Position	Type	Abbe
	Numerical aperture (N.A.)	0.9 / 1.25
	Aperture diaphragm	Iris
	Holder for color filters	Yes
	Centerable	Pre-centered
Focusing System	Type	Coaxial coarse & fine
	Focus modes	Coarse & fine
	Coarse total travel (mm)	16
	Fine graduations	100
	Fine total travel (per single rotation) (mm)	0,4
	Fine resolution (µm)	4
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
Observation Method - Transmitted Light	Brightfield	Yes
	Simple polarized light	Yes
Transmitted Illumination	Type	X-LED
	X-LED type	X-LED1
	Light source power (W)	1
	Brightness control	Manual
	Color Temperature (K)	5,500-5,700
	Lifetime (hours)	> 65,000
	Max. required power (W)	1,5
Power Supply for 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	5 Vdc 2,5 A
	Use with batteries	Yes
	Rechargeable Battery	Yes
	Battery type	Li-ion (battery pack)
	Working time of batteries (hours)	15
	Charging time of batteries (hours)	6
Accessories Included	Dust cover	Yes
	Tension adjustment tool	Yes
	Green filter	Yes
	User Manual	Digital version (downloadable)
Additional Information		Rotating polarizer (swing-out) and fixed analyzer (sliding-out) filters
Product Dimensions (overall footprint)	Height (mm)	345
	Width (mm)	175
	Depth (mm)	315
Product Weight	(kg)	4