



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

<b>Observation Method - Transmitted Light</b>	Brightfield	Yes
	Simple polarized light	Yes
<b>Main Body</b>	Type	Upright
	Construction material	Aluminum die-cast
<b>Head</b>	Type	Binocular (Siedentopf)
	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
<b>Eyepieces</b>	Field number (mm)	18
	Magnification	10x
	High eyepoint (for glass wearers)	Yes
	Pointer	As optional
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	20
<b>Nosepiece</b>	Positions	Quadruple
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
<b>Objectives</b>	Optical system	160
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-400x
	Type	N-PLAN
	Objectives included	4x/0.10, W.D. 15.2 mm
		10x/0.25, W.D. 5.5 mm
40x/0.65, W.D. 0.45 mm		
<b>Stage</b>	Type	Round
	Rotation	360°
	Dimensions (mm)	120
	Material	Anti-scratch painting
	Specimen clips	Yes
	Slide number	1

<b>Condenser - Single Position</b>	Type	Fixed
	Numerical aperture (N.A.)	1.25
	Diaphragms	Iris
	Centrable	Pre-centered

<b>Focusing System</b>	Type	Coaxial coarse & fine
	Coarse total travel (mm)	16
	Fine total travel (per single rotation) (mm)	0.4
	Fine graduations	100
	Fine resolution ( $\mu\text{m}$ )	4
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes

<b>Transmitted Illumination</b>	Type	X-LED
	X-LED type	X-LED1
	Light source power (W)	1
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	1.5

<b>Power Supply for Transmitted Illumination</b>	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 500 mA
	LED indicator	Yes
	Rechargeable batteries	Yes
	Battery type	Li-ion (battery pack)
	Working time of batteries (hours)	15
	Charging time of batteries (hours)	6

<b>Accessories Included</b>	Dust cover	Yes
	Tension adjustment tool	Yes
	User Manual	Digital version (downloadable)

<b>Additional Information</b>		Rotating polarizer (swing-out) and fixed analyzer (sliding-out) filters
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<b>Product Dimensions</b>	Height (mm)	350
	Width (mm)	170
	Depth (mm)	320

<b>Product Weight</b>	(kg)	4
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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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