



*Trinocular polarizing microscope, 400x,  
IOS W-PLAN POL objectives,  
transmitted light*

<b>Observation Method - Transmitted Light</b>	Brightfield	Yes
	Phase contrast (Positive type)	As optional
	Darkfield	As optional
	Simple polarized light	Yes
	Quantitative polarized light	Yes
<b>Main Body</b>	Type	Upright
	Construction material	Aluminum die-cast
	Transportation handle	Yes
<b>Head</b>	Type	Trinocular (Siedentopf)
	Split ratio	50/50
	Inclination	30°
	360° rotating	Yes
	Interpupillary distance (mm)	50-75
	Dioptric adjustment	On left tube
	Tube inner diameter (mm)	30
<b>Eyepieces</b>	Field number (mm)	22
	Magnification	10x
	Planar type	Yes
	Micrometric scale	Yes
	Diameter of micrometer glass (mm)	26
	High eyepoint (for glass wearers)	Yes
	Rubber cup	Yes
	Retractable protections	Yes
<b>Nosepiece</b>	Positions	Quadruple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
	Centerable	Yes
<b>Objectives</b>	Optical system	∞
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-400x
	Type	IOS W-PLAN POL
	Objectives included	4x/0.10, W.D. 17.3 mm 10x/0.25, W.D. 10 mm 20x/0.45, W.D. 0.40 mm 40x/0.65, W.D. 0.54 mm
	<b>Stage</b>	Type
Rotation		360°
Dimensions (mm)		145
Material		Anti-scratch painting
Specimen clips		Yes
Slide number		1
Vernier scale accuracy (mm)		0.1
Centrable		Yes

<b>Condenser - Single Position</b>	Type	Swing-out / Polarizing
	Removable	Yes
	Numerical aperture (N.A.)	0.2 / 0.9
	Numerical aperture scale	Yes
	Diaphragms	Iris
	Centrable	Yes
	Focusable	By rack and pinion
<b>Focusing System</b>	Type	Coaxial coarse & fine
	Coarse total travel (mm)	25
	Fine total travel (per single rotation) (mm)	0.2
	Fine graduations	100
	Fine resolution ( $\mu\text{m}$ )	2
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
	Flat knob for ergonomoy	Yes
<b>Transmitted Illumination</b>	Kohler illumination	Full
	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
<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	6 Vdc 2.5 A
<b>Accessories Included</b>	Dust cover	Yes
	Tension adjustment tool	Yes
	Allen wrench	Yes
	User Manual	Digital version (downloadable)
<b>Additional Information</b>		External rechargeable battery pack (as optional).
<b>Product Dimensions</b>	Height (mm)	460
	Width (mm)	270
	Depth (mm)	390
<b>Product Weight</b>	(kg)	9.8
<b>Polarized Light Attachment</b>	Bertrand lens - centerable	Centerable
	Bertrand lens - focusable	Yes
	Analyzer	360° rotatable
	$\lambda$ tint plate	Yes
	$\lambda/4$ tint plate	Yes
	Quartz wedge tint plate	Yes