



Trinocular polarizing microscope, 500x,
IOS LWD W-PLAN POL objectives,
incident & transmitted light

Observation Method - Transmitted Light	Brightfield	Yes
	Phase contrast (Positive type)	As optional
	Darkfield	As optional
	Simple polarized light	Yes
	Quantitative polarized light	Yes

Observation Method - Incident Light	Brightfield	Yes
	Simple polarized light	Yes
	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)	50-75
	Dioptric adjustment	On left tube
	Tube inner diameter (mm)	30

Eyepieces	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

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	50x-500x
	Type	IOS LWD W-PLAN POL
	Objectives included	5x/0.12, W.D. 15.5 mm
		10x/0.25, W.D. 10 mm
		20x/0.40, W.D. 5.8 mm
		50x/0.75, W.D. 0.32 mm
Stage	Type	Round
	Rotation	360°
	Dimensions (mm)	145
	Material	Anti-scratch painting
	Specimen clips	Yes
	Slide number	1
	Vernier scale accuracy (mm)	0.1
	Centrable	Yes
Condenser - Single Position	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
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 ergonomy	Yes
Transmitted Illumination	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)	5,500-5,700
	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
	Tension adjustment tool	Yes
	Allen wrench	Yes
	User Manual	Digital version (downloadable)

Additional Information		
Product Dimensions	Height (mm)	530
	Width (mm)	270
	Depth (mm)	470
Product Weight	(kg)	11,5
Polarized Light Attachment	Bertrand lens - centerable	Centerable
	Bertrand lens - focusable	Yes
	Analyzer	360° rotatable
	λ tint plate	Yes
	$\lambda/4$ tint plate	Yes
	Quartz wedge tint plate	Yes
Incident Polarized Light Attachment	Polarizer	Yes
	Field diaphragm	Centerable
	Aperture diaphragm	Centerable
Incident Polarized Light Source	Light source	X-LED8
	Watt (W)	8
	Lifetime (hours)	> 50,000
	Temperature (K)	6,300
	Brightness control	Yes