



*Binocular phase contrast microscope,  
1000x, IOS W-PLAN PH objectives, with  
Automatic Light Control*

<b>Main Body</b>	Type	Upright
	Construction material	Aluminum die-cast
	with transportation handle	Yes
	Internal prism	Glass prism
	Optical system	Infinity
	Optics with anti-fungus treatment	Yes

<b>Head (* ) with limitations</b>	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

<b>Eyepieces</b>	Magnification	10x
	Field number (mm)	20
	High eyepoint (for glass wearers)	Yes
	Micrometric scale	Optional
	Diameter of micrometer glass (mm)	21
	Rubber cup	Yes

<b>Nosepiece</b>	Positions	Quintuple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS

<b>Objectives</b>	Type	IOS W-PLAN PH
	Correction	Plan Achromatic
	Parfocal distance (mm)	DIN 45
	Optical system	Infinity
	Standard magnifications	10x-20x-40x-100x
		M-1120.N
		M-1121.N
	M-1122.N	

		M-1123.N
<b>Stage</b>	Dimensions (mm)	233x147
	Mechanical stage	Rackless
	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	2
	Moving range (mm)	78x54
	X-Y movement	Yes
	X-Y Vernier scale	Yes
	Vernier scale accuracy (mm)	0.1
	Type	Double layer
Right / Left hand	Right	
<b>Condenser - Multiple Position</b>	Type	Abbe. Brightfield - Phase Contrast - Darkfield (dry)
	Number of positions	5 (BF, 10x/20x, 40x, 100x, DF)
	Numerical aperture (N.A.)	0.9 / 1.25
	Aperture diaphragm	Iris
	Removable	Yes
	Centerable	Yes
Focusable	By rack and pinion	
<b>Focusing System</b>	Type	Coaxial coarse & fine
	Focus modes	Coarse & fine
	Coarse total travel (mm)	25
	Fine graduations	190
	Fine total travel (per single rotation) (mm)	0,2
	Fine resolution (µm)	2
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
Flat knob for ergonomy	Yes	
<b>Observation Method - Transmitted Light</b>	Brightfield	Yes
	Phase contrast (Positive type)	Yes
	Darkfield	Yes
	Simple polarized light	Optional
<b>Transmitted Illumination</b>	Type	X-LED
	X-LED type	X-LED3
	Light source power (W)	3.6
	Brightness control	Manual & Automatic (ALC)
	Kohler illumination	Fixed (full Optional)
	Color Temperature (K)	6,300
	Lifetime (hours)	> 65,000
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	5 Vdc 2,5 A	
<b>Accessories Included</b>	Dust cover	Yes
	Immersion oil (10ml)	Yes
	Tension adjustment tool	Yes
	Allen wrench	Yes

	Centering telescope	Yes
	Green filter	Yes
	User Manual	Digital version (downloadable)
<b>Product Dimensions (footprint)</b>	Width (mm) (E)	245
	Depth (mm) (D)	210
<b>Product Dimensions (overall footprint)</b>	Height (mm) (C)	405
	Width (mm) (B)	245
	Depth (mm) (A)	370
<b>Product Weight</b>	(kg)	7,8