

Trinocular metallurgical microscope, 500x, IOS W-PLAN MET objectives, incident light only

Observation Method - Incident Light	Brightfield	Yes
	Oblique	Yes
	Simple 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 adjustement	On left tube
	Tube inner diameter (mm)	30
Eyepieces	Field number (mm)	22
	Magnification	10x
	Planar type	Yes
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	26
	High eyepoint (for glass wearers)	Yes
	Rubber cup	Yes
	Retractable protections	Yes
Nosepiece	Positions	Quintuple
	Reversed	Yes
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
Objectives	Optical system	∞
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	50x-500x
	Type	IOS W-PLAN MET
	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	Double layer
	Dimensions (mm)	233x147
	Moving mechanism	Rackless
	Moving range (mm)	78x54
	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	2
	X-Y Vernier scale	Yes
	Vernier scale accuracy (mm)	0.1

Focusing System	Type	Coaxial coarse & fine
	Coarse total travel (mm)	40
	Fine total travel (per single rotation) (mm)	0.2
	Fine graduations	100
	Fine resolution (µm)	2
	Maximum sample height (mm)	33
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
	Flat knob for ergonomy	Yes
Accessories Included	Dust cover	Yes
	Tension adjustment tool	Yes
	Allen wrench	Yes
	User Manual	Digital version (downloadable)
Additional Information		
Product Dimensions	Height (mm)	505
	Width (mm)	270
	Depth (mm)	550
Product Weight	(kg)	12.3
Metallographic Attachment	Polarizer	Yes
	Analyzer, 360° rotatable	Yes
	Oblique illumination	Yes
	Field diaphragm	Centerable
	Aperture diaphragm	Centerable
Metallographic Light Source	Light source	X-LED8
	Watt (W)	8
	Lifetime (hours)	> 50,000
	Temperature (K)	6,300
	Brightness control	Yes
Metallographic Power Supply	Type	External
	Microscope connector	Jack, 2.1 mm
	Power plug type	Multi-plug
	Input voltage	100/240 Vac, 50/60 Hz
	Max. power required (W)	13