

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

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

Observation Method - Incident Light	Brightfield	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)	48-75
	Dioptric adjustement	On left tube
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23

Eyepieces	Field number (mm)	20
	Magnification	10x
	Pointer	As optional
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	21
	High eyepoint (for glass wearers)	Yes
	Rubber cup	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
		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

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Condenser - Single Position	Type	Abbe
	Removable	Yes
	Numerical aperture (N.A.)	1.25
	Magnification scale for simplified positioning	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
	Maximum sample height (mm)	15
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
	Flat knob for ergonomy	Yes

Transmitted Illumination	Kohler illumination	Fixed (full as optional)
	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

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		Heating stage (as optional). External rechargeable battery pack (as optional).

Product Dimensions	Height (mm)	465
	Width (mm)	235
	Depth (mm)	405

Product Weight	(kg)	8.5

Metallographic Attachment	Polarizer	Yes
	Analyzer, 360° rotatable	Yes
	Field diaphragm	Pre-centered
	Aperture diaphragm	Pre-centered

Metallographic Light Source	Light source	X-LED3
	Light source power (W)	3.6
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Brightness control	Yes

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