v 1.0 2018



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

Phase contrast (Positive type) As a optional Darkfield As optional	Observation Method - Transmitted Light	Brightfield	Yes
Darkfield Simple polarized light As optional			
Simple polarized light		, ,,,	
Diservation Method - Brightfield Oblique Yes Simple polarized light Yes Simple polarized light Yes Simple polarized light Yes Simple polarized light Yes Direction material Aluminum die-cast Trasportation handle Yes Trinocular (Siedentopf) Split ratio 50/50 Split ratio Split r			
Dilique Yes		Omple polarized light	7.6 Optional
Dilique Yes	Observation Method -	Brightfield	Yes
Main Body			
Main Body		·	
Construction material Aluminum die-cast			
Construction material Trasportation handle	Main Body	Туре	Upright
Type			, -
Split ratio		Trasportation handle	Yes
Split ratio			
Inclination 30° 360° rotating Yes	Head	Туре	Trinocular (Siedentopf)
360° rotating			50/50
Interpupillary distance (mm) 50-75		Inclination	30°
Dioptric adjustement Tube inner diameter (mm) 30		360° rotating	Yes
Tube inner diameter (mm) 30		Interpupillary distance (mm)	50-75
Field number (mm)		Dioptric adjustement	On left tube
Magnification		Tube inner diameter (mm)	30
Magnification			
Planar type Yes Micrometric scale As optional	Eyepieces	` '	22
Micrometric scale			
Diameter of micrometer glass (mm) 26 High eyepoint (for glass wearers) Yes Rubber cup Yes Retractable protections Yes Retractable protections Yes Reversed Yes Bi-directional Yes Rotation on ball bearings Yes Objectives Optical system ∞ Anti-fungus treatment Yes Parfocal distance (mm) 45 Standard magnifications 50x-500x Type IOS W-PLAN MET Objectives included 5x0.12, 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			
High eyepoint (for glass wearers) Yes		Micrometric scale	As optional
Rubber cup			
Retractable protections Yes			
Nosepiece Positions Reversed Quintuple Yes Bi-directional Yes Rotation on ball bearings Yes Objective thread RMS 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		-	
Reversed Yes		Retractable protections	Yes
Reversed Yes	Nosonioco	Desitions	Ovietuale
Bi-directional Yes Rotation on ball bearings Yes Objective thread RMS	Nosepiece		
Rotation on ball bearings Yes			
Objectives Optical system Anti-fungus treatment Parfocal distance (mm) ✓ 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			
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Anti-fungus treatment Parfocal distance (mm) Standard magnifications 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 Dimensions (mm) Anti-fungus treatment Parfocal distance (mm) 50x-500x Type Double layer Double layer Dimensions (mm) Rackless		Objective tireda	TUNG
Anti-fungus treatment Parfocal distance (mm) Standard magnifications 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 Dimensions (mm) Anti-fungus treatment Parfocal distance (mm) 50x-500x Type Double layer Double layer Dimensions (mm) Rackless	Objectives	Optical system	∞
Parfocal distance (mm)	,		Yes
Standard magnifications 50x-500x Type		-	
Type		` '	
Dobjectives 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 Double layer Dimensions (mm) 233x147 Moving mechanism Rackless Rackless Rackless Double layer Rackless Double layer			IOS W-PLAN MET
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			
Stage Type Double layer Dimensions (mm) 233x147 Moving mechanism Rackless			20x/0.40, W.D. 5.8 mm
Dimensions (mm) 233x147 Moving mechanism Rackless			50x/0.75, W.D. 0.32 mm
Dimensions (mm) 233x147 Moving mechanism Rackless			
Moving mechanism Rackless	Stage	Туре	Double layer
		Dimensions (mm)	233x147
Moving range (mm)		Moving mechanism	Rackless
ivioving range (mm) /8x54		Moving range (mm)	78x54
Material Anti-scratch painting		Material	Anti-scratch painting
Specimen holder Yes		Specimen holder	Yes
Slide number 2		Slide number	2
X-Y Vernier scale Yes			
Vernier scale accuracy (mm) 0.1		Vernier scale accuracy (mm)	0.1

Condenser - Single Position	Туре	Swing-out
	Removable	Yes
	Numerical aperture (N.A.)	0.2 / 0.9
	Numerical aperture scale	Yes
	Diaphragms	Iris
	Centrable	Yes
	Focusable	By rack and pinion
		2) raon and pimon
Focusing System	Туре	Coaxial coarse & fine
5 ,	Coarse total travel (mm)	38
	Fine total travel (per single rotation) (mm)	0.2
	Fine graduations	100
	Fine resolution (µm)	2
	Maximum sample height (mm)	31
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
	Flat knob for ergonomy	Yes
	That know for ergonomy	165
Transmitted	Kohler illumination	Full
Illumination	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
	wax. required power (vv)	U
Power Supply for	Туре	External
Transmitted	Microscope connector	Jack, 2.1 mm
Illumination	Power plug type	Multi-plug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60 Hz
	Output voltage	6 Vdc 2.5 A
	e air air ceitaige	0.000 2.000
Accessories Included	Dust cover	Yes
	Tension adjustment tool	Yes
	Allen wrench	Yes
	User Manual	Digital version (downloadable)
		, -
Additional Information		
		1-1-
Product Dimensions	Height (mm)	505
	Width (mm)	270
	Depth (mm)	550
Dun dunet Walindet	(4.)	10.5
Product Weight	(kg)	12.5
Metallographic Attachment	Polarizer	Yes
	Analyzer, 360° rotatable	Yes
	Oblique illumination	Yes
	Field diaphragm	Centerable
	Aperture diaphragm	Centerable
	Aporture diaprilagili	Senterable
Metallographic Light	Light source	X-LED8
Source Light	Watt (W)	8
	Lifetime (hours)	> 50,000
	Temperature (K)	6,300
	Brightness control	Yes
	Digitiless control	1 GO



Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

www.wolflabs.co.uk

Tel: 01759 301142

Fax: 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.