ver. 2025001



Trinocular brightfield microscope, 1000x, IOS N-PLAN objectives

Prince P			
Darkfield Simple polarized light As optional Main Body Type Construction material Trasportation handle Head Type Split ratio Inclination 30° 360° rotating Interpupillary distance (mm) Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) Eyepieces Field number (mm) As optional Micrometric scale Diameter of micrometer glass (mm) High eyepoint (for glass wearers) Rubserice Positions Reversed Bi-directional Reversed Bi-directional Reversed Rotation Position Reversed Bi-directional Reversed Bi-directional Reversed Rotation Pupright Aluminum die-cast Aluminum die-cast Diopter Micromotal (Siedentopf) Sobo(Sedentopf)	Observation Method -	Brightfield	Yes
Simple polarized light	Transmitted Light	Phase contrast (Positive type)	As optional
Type		Darkfield	As optional
Construction material Trasportation handle Head Type Split ratio Inclination 360° rotating Interpupillary distance (mm) Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) Eyepieces Field number (mm) Magnification Pointer Micrometric scale Diameter of micrometer glass (mm) High eyepoint (for glass wearers) Rubselece Positions Reversed Bi-directional Rotation on ball bearings Aluminum die-cast Yes Trinocular (Siedentopf) So/50 Irinocular (Siedentopf) So/50 Irinocular (Siedentopf) So/50 Interoular (Siedentopf) So/50 Interoular (Siedentopf) So/50 Interoular (Siedentopf) So		Simple polarized light	As optional
Construction material Trasportation handle Head Type Split ratio Inclination 360° rotating Interpupillary distance (mm) Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) Eyepieces Field number (mm) Magnification Pointer Micrometric scale Diameter of micrometer glass (mm) High eyepoint (for glass wearers) Rubselece Positions Reversed Bi-directional Rotation on ball bearings Aluminum die-cast Yes Trinocular (Siedentopf) So/50 Irinocular (Siedentopf) So/50 Irinocular (Siedentopf) So/50 Interoular (Siedentopf) So/50 Interoular (Siedentopf) So/50 Interoular (Siedentopf) So			
Trasportation handle Figure Trinocular (Siedentopf) Split ratio 50/50 Inclination 30° 360° rotating Yes Interpuillary distance (mm) 55-75 Diopter adjustment On both tubes Fixing screw for eyepieces Yes Tube inner diameter (mm) 23 Feyepieces 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 Reversed Yes Bi-directional Yes Rotation on ball bearings Yes	Main Body	Туре	Upright
Head		Construction material	Aluminum die-cast
Split ratio 50/50 Inclination 30° 360° rotating Yes Interpupillary distance (mm) 55-75 Diopter adjustment On both tubes 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 Quadruple Reversed Yes Bi-directional Yes Rotation on ball bearings Yes		Trasportation handle	Yes
Split ratio 50/50 Inclination 30° 360° rotating Yes Interpupillary distance (mm) 55-75 Diopter adjustment On both tubes 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 Quadruple Reversed Yes Bi-directional Yes Rotation on ball bearings Yes			
Inclination 30° 360° rotating Yes Interpupillary distance (mm) 55-75 Diopter adjustment On both tubes 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 Quadruple Reversed Yes Bi-directional Yes Rotation on ball bearings	Head	Туре	Trinocular (Siedentopf)
Separation Sep		Split ratio	50/50
Interpupillary distance (mm) 55-75 Diopter adjustment On both tubes 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 Reversed Bi-directional Rotation on ball bearings Yes		Inclination	30°
Diopter adjustment Fixing screw for eyepieces Tube inner diameter (mm) Eyepieces Field number (mm) Magnification Pointer As optional Micrometric scale Diameter of micrometer glass (mm) High eyepoint (for glass wearers) Rubber cup Positions Reversed Bi-directional Rotation on ball bearings Yes Yes On both tubes Yes Yes Quadruple Quadruple Quadruple Yes		360° rotating	Yes
Fixing screw for eyepieces Yes		Interpupillary distance (mm)	55-75
Tube inner diameter (mm) Eyepieces Field number (mm) Magnification Pointer As optional Micrometric scale Diameter of micrometer glass (mm) High eyepoint (for glass wearers) Rubber cup Positions Reversed Bi-directional Rotation on ball bearings Field number (mm) 20 As optional 10x Ps optional As optional Yes Quadruple Quadruple Yes Reversed Fostions Rotation on ball bearings		Diopter adjustment	On both tubes
Field number (mm) Magnification Pointer Micrometric scale Diameter of micrometer glass (mm) High eyepoint (for glass wearers) Rubber cup Positions Reversed Bi-directional Rotation on ball bearings Pield number (mm) 20 As optional As optional Yes Quadruple Quadruple Yes		Fixing screw for eyepieces	Yes
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 Quadruple Reversed Yes Bi-directional Yes Rotation on ball bearings Yes		Tube inner diameter (mm)	23
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 Quadruple Reversed Yes Bi-directional Yes Rotation on ball bearings Yes			
Pointer Micrometric scale Diameter of micrometer glass (mm) High eyepoint (for glass wearers) Rubber cup Positions Reversed Bi-directional Rotation on ball bearings As optional As opt	Eyepieces	Field number (mm)	20
Micrometric scale Diameter of micrometer glass (mm) High eyepoint (for glass wearers) Rubber cup Nosepiece Positions Reversed Feversed Bi-directional Rotation on ball bearings As optional As optional Quadruple Yes As optional Yes Yes		Magnification	10x
Diameter of micrometer glass (mm) High eyepoint (for glass wearers) Rubber cup Yes Nosepiece Positions Reversed Reversed Bi-directional Rotation on ball bearings Diameter of micrometer glass (mm) 21 Quadruple Quadruple Yes Reversed Yes		Pointer	As optional
High eyepoint (for glass wearers) Rubber cup Yes Nosepiece Positions Reversed Bi-directional Rotation on ball bearings Yes Yes Yes		Micrometric scale	
Rubber cup Yes Nosepiece Positions Quadruple Reversed Yes Bi-directional Rotation on ball bearings Yes		Diameter of micrometer glass (mm)	21
Nosepiece Positions Quadruple Reversed Yes Bi-directional Yes Rotation on ball bearings Yes			Yes
Reversed Yes Bi-directional Yes Rotation on ball bearings Yes		Rubber cup	Yes
Reversed Yes Bi-directional Yes Rotation on ball bearings Yes			
Bi-directional Yes Rotation on ball bearings Yes	Nosepiece	Positions	Quadruple
Rotation on ball bearings Yes		Reversed	Yes
		Bi-directional	Yes
Objective thread RMS		Rotation on ball bearings	Yes
Objective thread		Objective thread	RMS

Objectives	Optical system	∞
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-1000x
	Туре	IOS N-PLAN
		4x/0.10, W.D. 16.8 mm
		10x/0.25, W.D. 5.8 mm
		40x/0.65, W.D. 0.43 mm
		100x/1.25 (Oil/Water), W.D. 0.13 mm
Stage	Туре	Double layer
	Dimensions (mm)	150x140
	Moving mechanism	Rackless
	Moving range (mm)	75x33
	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	1
	X-Y Vernier scale	Yes
	Vernier scale accuracy (mm)	0.1
Condenser - Single	Туре	Abbe
Position	Removable	Yes
	Numerical aperture (N.A.)	1.25
	Magnification scale for simplified positioning	Yes
	Diaphragm	Iris
	Centrable	Yes
	Focusable	By rack and pinion
Focusing System	Туре	Coaxial coarse & fine
	Coarse total travel (mm)	18
	Fine total travel (per single rotation) (mm)	0,4
	Fine graduations	100
	Fine resolution (µm)	4
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
Transmitted	Kohler illumination	Fixed
Illumination	Туре	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	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
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Accessories Included	Dust cover	Yes
		Yes
	(Infinersion on (Tomi)	163
	Immersion oil (10ml) Tension adjustment tool	
	Tension adjustment tool User Manual	Yes Digital version (downloadable)

Additional Information		Mirror for transmitted light (as optional). External rechargeable battery pack (as optional).
Product Dimensions	Height (mm)	440
	Width (mm)	235
	Depth (mm)	320
Product Weight	(kg)	6.5