

Trinocular stereozoom microscope, 7x…45x

Main Body	Type	Stereo
	Construction material	Aluminum die-cast + Plastic
	with trasportation handle	Yes
	Internal prism	Glass prism
	Optics with anti-fungus treatment	Yes
	Zoom type	Continuous
	Working distance (mm)	100

Head	Type	Trinocular
	Construction	Siedentopf
	Inclination	45°
	Rotation	360°
	Fixing screw for eyepieces	Yes
	Diopter adjustment	On both tubes
	Diopter compensation	±5
	Interpupillary distance (mm)	51-75
	Split ratio	Fixed. 50 (eyepiece) / 50 (photo)
	Head holder internal diameter (mm)	76
	Tube inner diameter (mm)	30
	Zoom ratio	6,42:1

Eyepieces	Magnification	10x
	Field number (mm)	21
	High eyepoint (for glass wearers)	Yes
	Micrometric scale	Optional
	Diameter of micrometer glass (mm)	24
	Rubber cup	Yes
	Retractable protections	Yes

Objective	Type	ACH
	Correction	Achromatic
	Optical system	Greenough
	Standard magnifications	7x-45x
	Objective numerical aperture	0.02 @ 0.7x 0.07 @ 4.5x
	Objective resolution	60 lp/mm @ 0.7x 240 lp/mm @ 4.5x

Stand	Type	Fixed arm

Stage	Specimen clips	Yes
	White diffusion plate for transmitted ill.	Yes, diam. 100 mm
	Black/white contrast plate for incident ill.	Yes, diam. 100 mm
Focusing System	Type	Coarse
	Focus modes	Coarse
	Coarse total travel (mm)	110
	Adjustable tension	Yes
Observation Method - Transmitted Light	Brightfield	Yes
	Darkfield	Optional
	Simple polarized light	Optional
Observation Method - Incident Light	Brightfield	Yes
Transmitted Illumination	Type	EcoLED
	Brightness control	Manual
	Color temperature (K)	5,500-5,700
	Lifetime (hours)	> 65,000
	Max. required power (W)	1,5
Incident Illumination	Type	EcoLED
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	5,500-5,700
Power Supply for Illumination	Type	External
	Microscope connector	USB-C
	Power plug type	Multi-plug (EU, UK, US)
	Input voltage	100/240 Vac, 50/60 Hz
	Output voltage	5 Vdc 2.5 A
	LED indicator	Yes
	Use with batteries	Yes, not supplied
	Battery type	Ni-MH (3x, AA size), 1.2V, 1300mAh
	Working time of batteries (hours)	up to 8
	Charging time of batteries (hours)	8
Accessories Included	Dust cover	Yes
	Allen wrench	Yes
	User Manual	Digital version (downloadable)
Product Dimensions	Total height (mm)	450
	Head height (mm)	230
	Head width (mm)	140
	Head depth (mm)	150
	Base height (mm)	30
	Base width (mm)	205
	Base depth (mm)	280
Product Weight	(kg)	3.6