



*Gemological trinocular stereozoom microscope, 7x...45x, tiltable stand, transmitted & incident light*

<b>Observation Method - Transmitted Light</b>	Brightfield	Yes
	Darkfield	Yes
	Simple polarized light	As optional

<b>Observation Method - Incident Light</b>	Brightfield	Yes
	Darkfield	Yes
	Simple polarized light	As optional

<b>Head</b>	Type	Trinocular
	Construction material	Aluminum & Plastic molds / Aluminum gears
	Split ratio	Fixed. 50 (eyepiece) / 50 (photo)
	Inclination	45°
	360° rotating	Yes
	Interpupillary distance (mm)	51-75
	Dioptric adjustment	On both tubes
	Head holder internal diameter (mm)	76
	Tube inner diameter (mm)	30

<b>Eyepieces</b>	Field number (mm)	21
	Magnification	10x
	Micrometric scale	As optional
	Diameter of micrometer glass (mm)	23
	High eyepoint (for glass wearers)	Yes
	Rubber cup	Yes
	Retractable protections	Yes

<b>Objective</b>	Optical system	Greenough
	Anti-fungus treatment	Yes
	Objective Type	Achromatic
	Zoom type	Parfocal achromatic
	Working distance (mm)	100
	Standard magnifications	7x-45x
	Zoom ratio	6,43
	Objective numerical aperture	0.02 @ 0.7x 0.07 @ 4.5x
	Objective resolution	59 lp/mm @ 0.7x 208 lp/mm @ 4.5x

<b>Focusing System</b>	Type	Coarse
	Coarse total travel (mm)	114
	Adjustable tension	Yes
	Head holder internal diameter (mm)	76
<b>Stand</b>	Type	Fixed arm
	Tilting mechanism	Yes, full 90° tilt angle and 360° rotating
<b>Stage</b>	Gemological clamp	Yes, adjustable
<b>Transmitted Illumination</b>	Type	LED
	Darkfield illuminator	Yes, side-emitting LEDs
	Lever for dark background insertion	Yes
	Selector for illumination modes	Yes, 3 modes: - brightfield only - darkfield only - both brightfield and darkfield.
	Light source power (W)	2
	Illuminance (lux)	6,000
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,300
	Max. required power (W)	3
<b>Incident Illumination</b>	Type	LED
	X-LED type	X-LED2
	Light source power (W)	3
	Illuminance (lux)	80,000
	Brightness control	Manual
	Lifetime (hours)	> 65,000
	Temperature (K)	6,500 (Nordic light)
	Max. required power (W)	6
<b>Power Supply for Illumination</b>	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	12 Vdc 1.5 A
<b>Accessories Included</b>	Dust cover	Yes
	User Manual	Digital version (downloadable)
<b>Additional Information</b>	Maximum sample height (mm):	90
<b>Product Dimensions</b>	Total height (mm)	480
	Head height (mm)	230
	Head width (mm)	140
	Head depth (mm)	150
	Base height (mm)	60
	Base width (mm)	210
	Base depth (mm)	270
<b>Product Weight</b>	(kg)	10