



*Monocular microscope, 400x,  
HC objectives*

<b>Main Body</b>	Type	Upright
	Construction material	Aluminum die-cast
	with transportation handle	Yes
	Internal prism	Glass prism
	Optical system	Finite 160 mm
	Optics with anti-fungus treatment	Yes
<b>Head</b>	Type	Monocular
	Inclination	30°
	Rotation	360°
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23
<b>Eyepieces</b>	Magnification	10x
	Field number (mm)	18
	High eyepoint (for glass wearers)	Yes
	Micrometric scale	Optional
	Diameter of micrometer glass (mm)	20
<b>Nosepiece</b>	Positions	Quadruple
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS
<b>Objectives</b>	Type	HC
	Correction	Achromatic
	Parfocal distance (mm)	DIN 45
	Optical system	Finite 160 mm
	Standard magnifications	4x-10x-40x
		M-137
		M-138
		M-141

<b>Stage</b>	Dimensions (mm)	125x116
	Mechanical stage	Rack and pinion
	Material	Anti-scratch painting
	Specimen holder	Yes
	Slide number	1
	Moving range (mm)	70x30
	X-Y movement	Yes
	X-Y Vernier scale	Yes
	Vernier scale accuracy (mm)	0.1
	Type	Double layer
	Right / Left hand	Right

<b>Condenser - Single Position</b>	Type	Abbe
	Numerical aperture (N.A.)	0.9 / 1.25
	Aperture diaphragm	Iris
	Holder for color filters	Yes
	Centerable	Pre-centered
	Focusable	By rotation

<b>Focusing System</b>	Type	Coaxial coarse & fine
	Focus modes	Coarse & fine
	Coarse total travel (mm)	16
	Fine graduations	100
	Fine total travel (per single rotation) (mm)	0,4
	Fine resolution ( $\mu\text{m}$ )	4
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes

<b>Observation Method - Transmitted Light</b>	Brightfield	Yes
	Simple polarized light	Optional

<b>Transmitted Illumination</b>	Type	X-LED
	X-LED type	X-LED1
	Light source power (W)	1
	Brightness control	Manual
	Color Temperature (K)	6,300
	Lifetime (hours)	> 65,000
	Max. required power (W)	1,5

<b>Power Supply for Transmitted 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	5 Vdc 2,5 A

<b>Accessories Included</b>	Dust cover	Yes
	Tension adjustment tool	Yes
	Green filter	Yes
	User Manual	Digital version (downloadable)

<b>Product Dimensions (footprint)</b>	Width (mm)	145
	Depth (mm)	220

<b>Product Dimensions (overall footprint)</b>	Height (mm)	335
	Width (mm)	175
	Depth (mm)	275

**Product Weight**

(kg)

4