B-151ALC

OPTIKA

Rev.2026002



Monocular microscope, 400x,
HC objectives, with Automatic Light Control

Main Body	Type	Upright
	Construction material	Aluminum die-cast
	with trasportation handle	Yes
	Internal prism	Glass prism
	Optical system	Finite 160 mm
	Optics with anti-fungus treatment	Yes

Head	Type	Monocular
	Inclination	30°
	Rotation	360°(*)
	Fixing screw for eyepieces	Yes
	Tube inner diameter (mm)	23

(*) with limitations

Eyepieces	Magnification	10x
	Field number (mm)	18
	High eyepoint (for glass wearers)	Yes
	Micrometric scale	Optional
	Diameter of micrometer glass (mm)	20

Nosepiece	Positions	Quadruple
	Bi-directional	Yes
	Rotation on ball bearings	Yes
	Objective thread	RMS

Objectives	Type	HC
	Correction	Achromatic
	Parfocal distance (mm)	DIN 45
	Optical system	Finite 160 mm
	Standard magnifications	4x-10x-40x

Stage	Dimensions (mm)	130x120
	Mechanical stage	Optional
	Material	Anti-scratch painting
	Specimen clips	Yes
	Slide number	1
	Type	Fixed

Condenser - Single Position	Type	Fixed
	Numerical aperture (N.A.)	0.65
	Aperture diaphragm	Iris
	Holder for color filters	Yes
	Centerable	Pre-centered
Focusing System	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 (µm)	4
	Upper stop to prevent contact	Yes
	Adjustable tension	Yes
Observation Method - Transmitted Light	Brightfield	Yes
	Simple polarized light	Optional
Transmitted Illumination	Type	X-LED
	X-LED type	X-LED1
	Light source power (W)	1
	Brightness control	Manual & Automatic (ALC)
	Color Temperature (K)	5,500-5,700
	Lifetime (hours)	> 65,000
	Max. required power (W)	1,5
Power Supply for Illumination	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
Accessories Included	Dust cover	Yes
	Tension adjustment tool	Yes
	Green filter	Yes
	User Manual	Digital version (downloadable)
Product Dimensions (overall footprint)	Height (mm)	335
	Width (mm)	175
	Depth (mm)	275
Product Weight	(kg)	4