

OPTIKA

M I C R O S C O P E S
I T A L Y



**Microscopio Trinocular LED
con Campo Claro Sistema Anti-Hongos
Modelo: B-293**

ESPECIFICACIONES:

- **Modo de observación:** Campo claro.
- **Cabezal:** Trinocular (fijo, 50/50), giratorio 360° e inclinado 30°.
- **Distancia interpupilar:** 55-75 mm.
- **Ajuste dióptrico:** En ambos oculares.
- **Oculares:** WF10x/20 mm, de punto de mira alto y fijados mediante tornillo.
- **Revólver:** Revólver cuádruple giratorio, rotación sobre rodamientos de bolas.

Objetivos:

- N-PLAN 4x/0,10
- N-PLAN 10x/0,25
- N-PLAN 40x/0,65
- N-PLAN 100x/1,25 (Aceite/Agua).

Todos con tratamiento antifúngico.

- **Platina:** Platina deslizante mecánica de doble capa sin cremallera, 150 × 139 mm, 75 × 33 mm, rango de movimiento XY. Escala Vernier en ambos ejes, precisión: 0,1 mm.
- **Enfoque:** Mecanismo coaxial de enfoque macro y micrométrico con tope para evitar el contacto entre el objetivo y la muestra. Tensión ajustable del mando de enfoque macrométrico.
- **Condensador:** Abbe NA 1.25, con diafragma iris codificado por el objetivo, enfocable y centrable.
- **Iluminación (fija Koehler):** X-LED3 con LED blanco de 3,6 W (6300 K) y control de intensidad de luz. Alimentación externa multiconector de 100-240 V CA/6 V CC..

Observation Method - Transmitted Light	Brightfield	Yes
	Darkfield	As optional
	Simple polarized light	As optional

Main Body	Type	Upright
	Construction material	Aluminum die-cast
	Transportation handle	Yes

Head	Type	Trinocular (Siedentopf)
	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
	Objective thread	RMS

Objectives	Optical system	160
	Anti-fungus treatment	Yes
	Parfocal distance (mm)	45
	Standard magnifications	40x-1000x
	Type	N-PLAN
		4x/0.10, W.D. 15.2 mm
		10x/0.25, W.D. 5.5 mm
	40x/0.65, W.D. 0.45 mm	
	100x/1.25 (Oil/Water), W.D. 0.13 mm	

Stage	Type	Double layer
	Dimensions (mm)	150x139
	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 Position	Type	Abbe
	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	Type	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 Illumination	Kohler illumination	Fixed
	Type	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 Transmitted 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	6 Vdc 2.5 A

Accessories Included	Dust cover	Yes
	Immersion oil (10ml)	Yes
	Tension adjustment tool	Yes
	User Manual	Digital version (downloadable)