

# Magnus

## MLX-B

### Parfocal & Centered Optics

Minimises use of the fine focusing and stage-control knobs during objective change-over

### Optics with Multi-layer Coating

Maximises transmission of light for crisp & bright image

### Illumination

Efficient light collector-lens system for optimum brightness

### Micron Sensitive Movements

Enables easy manipulation of specimen

### Options Available

- With halogen or LED light source
- Freedom series with LED light & battery backup



Also available in Trinocular version MLX-Tr  
Digital Camera Attachment (Optional)

MICROSCOPES FOR EDUCATION & LABORATORIES

# Specifications :

ITEM	SPECIFICATIONS	MLX-B Binocular Version	MLX-Tr Trinocular Version
Body	Aluminium die-cast body with all critical movements based on ball bearing & wire guides thereby ensuring smooth & precise manipulation	●	●
Inclined Observation Head	Binocular 45 degree inclined, rotatable through 360 degrees	●	
	Trinocular 45 degree inclined, rotatable through 360 degrees		●
Eyepiece (widefield) for observation	WF 10x (FN 18) compensating paired eyepiece. Provides relief from eye fatigue and renders color-compensated images of utmost clarity. Compatible with an optionally available eyepiece micrometer	●	●
Nosepiece	Quadruple revolving nosepiece based on precision ball-bearing mechanism with positive click stop	●	●
Objectives	<u>Achromat objectives</u>		
		<u>N.A.</u>	<u>W.D.</u>
	4X	0.10	29.0mm
	10X	0.25	6.3mm
	40X (spring loaded)	0.65	0.53mm
100X (oil, spring loaded)	1.25	0.20mm	
Mechanical stage	Stage size 125mm X 145mm with traverse area of 50mm X 76 mm with right hand low drive mechanical stage	●	●
Focusing system	Co-axial coarse & fine controls with a focus adjustment range of 25 mm	●	●
Condenser holder	Rack & pinion mounted condenser holder with height displacement upto 20mm	●	●
Condenser	Abbe condenser with aperture iris diaphragm (N.A. 1.25 ) focusable with rack & pinion through 20 mm and a continuously variable iris diaphragm with a removable blue filter for daylight observation	●	●
Illumination base with option	(a) Built-illumination base with pre-centered 6V 20W halogen light source coupled with an efficient collector lens system. Power supply 230V AC 50Hz single phase.	MLX-B	MLX-Tr
	(b) LED Light source High brightness, longlife (30,000hrs) 1w LED.	MLX-B LED	MLX-Tr LED
	(c) LED light source (with battery back-up) High brightness, longlife (30,000hrs) 1w LED. Battery back-up in-built NiMH Rechargeable batteries provide 6 to 8 hrs back-up on full charge.	MLX-B Freedom series	MLX-Tr Freedom series

## Optional Accessories • Simple Polarizing attachment • Eyepiece Widefield WF 15x • Image Analysis software



Micro Image Projection System  
MIPS



Digital Camera System



Phase Contrast Attachment PC-4



Darkfield attachment  
• Imm. DF Condenser with OBJ  
100x having Iris Diaphragm  
• Dry. DF condenser

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CE

All standard sets are supplied as per specifications which are subject to change without any obligation on the part of the manufacturer. Optics are anti-fungus treated & with multi-layer coatings. Accessories shown may not be part of standard equipment. • CE Certification is only for MLX-B, MLX-Tr