

MLX Plus

MICROSCOPE MASTERCLASS



- Parfocal and Centered Strain Free Optics
- Optics with Multi-layer Coating & Anti-Fungus treated
- Choice of Halogen and LED Illumination
- Easy Access for Lamp Replacement
- Anti-Fungus Treatment

# Magnus

MICROSCOPES FOR EDUCATION & LABORATORIES

# Specifications :

## MAGNUS Inclined Biological Microscope Model MLX-B Plus/MLX-TR Plus

ITEM	SPECIFICATIONS	MLX-B Plus Binocular (SP)	MLX-TR Plus Trinocular (SP)	MLX-B Plus Binocular (PA)	MLX-TR Plus Trinocular (PA)
Optical System	Semi-Plan (SP) Optics	●	●		
	Plan Achromat (PA) Optics			●	●
Body	Aluminium die cast body with all critical movements based on ball bearing and wire guides, thereby ensuring smooth and precise manipulation.	●	●	●	●
Inclined Observation Head	Binocular 45 degree inclined, rotatable through 360 degrees	●		●	
	Trinocular 45 degree inclined, rotatable through 360 degrees		●		●
Eyepieces (widefield) for observation	HWF 10x (FN 18mm) paired eyepiece. The unique optical design of the compensating eyepiece provides relief from eye fatigue and renders color-compensated wide-field images of utmost clarity.	●	●	●	●
Nosepiece	Quadruple revolving nosepiece based on precision ball-bearing mechanism with positive stop click.	●	●	●	●
Objectives Uniformly centered, Interchangeable & Parfocal, Anti-Fungus treated	Semi-Plan Achromat objectives: SP4X N.A 0.10, SP10X N.A 0.25, SP40X N.A 0.65 (spring) SP100X N.A 1.25 (oil, spring)	●	●		
	Plan Achromat Objectives: PA 4X N.A 0.10, PA 10X N.A 0.25, PA 40X N.A 0.65 (spring) PA100X N.A 1.25 (oil, spring)			●	●
Mechanical Stage	Co-axial low drive mechanical stage (125mm x 145mm) ( $\pm 5$ mm) with traverse area of 50mm x 76mm ( $\pm 5$ mm)	●	●	●	●
Condenser	Abbe condenser with aperture iris diaphragm (N.A.1.25) focusable with rack & pinion and a continuously variable iris diaphragm with a removable blue filter for daylight observation. Rack & pinion mounted condenser holder.	●	●	●	●
Focusing	Co-axial coarse & fine controls with a focus adjustment and fine adjustment knobs. Coarse Focus range 20mm.	●	●	●	●
Illumination base with option	a) Built-in-illumination base with pre-centered 6V 20W halogen light source coupled with an efficient collector lens system. Universal Power supply 100V~240V AC 50/60Hz (SMPS). Supplied with one bulb & one spare fuse. Easily replaceable lamp from front.			●	●
	b) Built-in-illumination base with pre-centered 6V 20W halogen light source coupled with an efficient collector lens system. Transformer based Power supply 100V~240V AC 50/60Hz single phase. Supplied with one bulb & one spare fuse. Easily replaceable lamp from front.	●	●		
	c) LED light source High brightness, long life (30000 hrs).	MLX-B Plus LED (SP)	MLX-TR Plus LED (SP)	MLX-B Plus LED (PA)	MLX-TR Plus LED (PA)
	d) LED light source (with battery backup) High brightness, long life (30000 hrs). Battery backup in-built NiMH Rechargeable batteries provide 6-8 hours back-up on full charge.	MLX-B Plus Freedom (SP)	MLX-TR Plus Freedom (SP)	MLX-B Plus Freedom (PA)	MLX-TR Plus Freedom (PA)
Packed in a styrofoam box, with operation manual, dust cover, power cord & immersion oil (5ml). The reflector mirror, spare bulb & wooden cabinet are optionally available.					

MLX-B Plus is sold as Theia-Fi in markets outside India.

## Optional Accessories

- Simple Polarizing Attachment • Eyepiece Widefield WF 15x • Objective 20x • Double Layer Mechanical stage •



Trinocular Head for MLX Plus  
with Camera



Digital Camera System  
with Image Analysis Software



Phase Contrast Attachment PC-4



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

# Magnus

**MAGNUS OPTO SYSTEMS INDIA PRIVATE LIMITED**

Works: A-3, Sec-81, Phase-II, Noida - 201305, UP, India

Regd. Office: A-5, Mohan Co-operative Indl. Estate, (opp. Sarita Vihar), Mathura Road, New Delhi - 110044

Specifications and appearances are subject to change without any notice or obligation on the part of the manufacturer.



website: [www.magnusopto.com](http://www.magnusopto.com)

Email: [info@magnusopto.com](mailto:info@magnusopto.com)