## MLX Plus

### MICROSCOPE MASTERCLASS



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 Archromat 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 Archromat 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) ( $\pm$ 5mm) with traverse area of 50mm x 76mm ( $\pm$ 5mm)	•	•	•	•
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 Plu 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.

## Optional Accessories

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

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



Trinucular Head for MLX Plus with Camera



Digital Camera System with Image Analysis Software



Phase Contrast Attachment PC-4

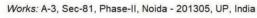


Darkfield attachment Imm. DF Condenser with OBJ 100x having Iris Diaphragm Dry. DF condenser

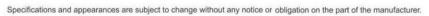


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