MLX Plus

MICROSCOPE MASTERCLASS





Specifications:

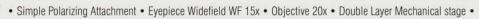
MAGNUS Inclined Biological Microscope Model MLX-B Plus/MLX-TR Plus

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 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.

Optional Accessories

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





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

Magnüs

website: www.magnusopto.com Email: info@magnusopto.com

MAGNUS OPTO SYSTEMS INDIA PRIVATE LIMITED

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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