

Thera-i

MICROSCOPE MASTERCLASS



- Plan Infinity Optics
- Parfocal and Centered Optics
- Optics with Multi-layer Coating
- Choice of Halogen and LED Illumination
- Easy Access for Lamp Replacement

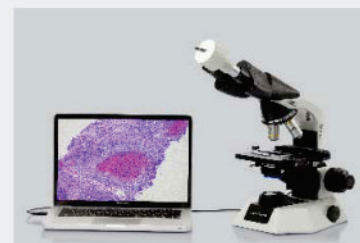
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Specifications :

MAGNUS Inclined Binocular Microscope Model Theia-i

ITEM	SPECIFICATIONS	Theia-i Binocular Version	Theia-i-Tr Trinocular Version															
Body	Aluminium die-cast body with all critical movements based on ball bearing & wire guides thereby ensuring smooth & precise manipulation	●	●															
Mechanical Stage	Co-axial low drive mechanical stage (125mm x 145mm) (+/-5mm) with traverse area of 50mm x 76mm (+/-5mm)	●	●															
Focusing System	Co-axial coarse & fine controls with a focus adjustment and fine adjustment knobs. Coarse Focus range 28mm. Fine focus range 0.2mm	●	●															
Condenser holder	Rack & pinion mounted condenser holder	●	●															
Condenser	Centerable abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & pinion through 20mm and a continuously variable iris diaphragm with a removable blue filter for daylight observation	●	●															
Illumination base with option (a), (b), (c)	(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.	Theia-i	Theia-i-Tr															
	(b) LED Light source High brightness, longlife (30,000hrs) 1w LED.	Theia-i LED	Theia-i-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.	Theia-i Freedom series	Theia-i-Tr Freedom series															
Nose Piece	Quadruple revolving inward nosepiece based on precision ball-bearing mechanism with positive click stop Quintuple nosepiece option is also available.	●	●															
Objectives	<table border="1"> <thead> <tr> <th>Plan Achromat Objectives</th> <th>N.A.</th> <th>W.D.</th> </tr> </thead> <tbody> <tr> <td>4X</td> <td>0.10</td> <td>25 mm</td> </tr> <tr> <td>10X</td> <td>0.25</td> <td>5 mm</td> </tr> <tr> <td>40X (spring loaded)</td> <td>0.65</td> <td>0.5 mm</td> </tr> <tr> <td>100X (oil, spring loaded)</td> <td>1.25</td> <td>0.14 mm</td> </tr> </tbody> </table>	Plan Achromat Objectives	N.A.	W.D.	4X	0.10	25 mm	10X	0.25	5 mm	40X (spring loaded)	0.65	0.5 mm	100X (oil, spring loaded)	1.25	0.14 mm	●	●
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Infinity corrected plan optics Uniformly centered, Interchangeable & Parfocal Anti fungus treated Tropicalized anti fungus treatment ensures image excellence for long periods in conditions favoring to fungus growth																		
Inclined Observation Head <small>With a special anti-fungus treatment and an anti-reflection optical coating of the prism (to enhance the image brightness)</small>	Binocular (30 degree inclined seidentopf), 360 degree rotatable, diopter adjustment	●																
	Trinocular head 30 degree inclined seidentopf		●															
Eyepiece (wide field) for observation	WF 10x (FN 20mm) 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. Compatible with optionally available eyepiece micrometer	●	●															

Optional Accessories



The **LED Based Transmitted Fluorescence Attachment** uses a unique proprietary illumination system, allowing significant increase in performance and cost reduction. The microled comes with a choice of blue, royal blue and green LED cassettes.

The **Trinocular Head** comes with a wide range of **Camera Adapters** that allow users to mount various kinds of digital cameras onto the trinocular head of the microscope for quick and easy digital documentation.

The plug and play, **USB Powered MIPS (Microscope Image Projection System)** attachment connects seamlessly to computers and projectors, making it the perfect tool for teaching and training applications.

- Phase contrast attachment • Polarization attachment • Quintuple nosepiece • Optional Eyepiece: 15X • Köhler attachment • Optional objectives: 20X, 60X

Magnus

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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.

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