PRODUCT CATALOGUE

Magnus MX35i Pro Trinocular Microscope with LED and Battery Backup



Listed product | Product and model identity follow the named manufacturer.

Magnus MX35i Pro is a trinocular clinical and research microscope with UIS2 infinity-corrected plan optics, a quintuple inward nosepiece and rechargeable LED backup illumination.

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Key features

- Trinocular observation tube with adjustable eyepoint height and fixed 70:30 light path.
- Five Plan Achromat objectives and a 3 W LED illuminator.
- Li-ion rechargeable battery backup with automatic LED-off after 30 minutes without intensity-control input.
- Rackless low-drive mechanical stage with single slide holder.

Technical specifications

Specification	Details
Optical system	UIS2 infinity-corrected plan optics
Viewing head	Siedentopf trinocular observation tube, eyepoint-height adjustable, 30 deg inclined and 360 deg rotatable; interpupillary adjustment 48-75 mm
Camera/eyepiece light path	Fixed 70:30
Eyepieces	Paired 10 x eyepieces, FN 22 mm; one with diopter adjustment and one fixed type
Nosepiece	Inward revolving quintuple nosepiece, precision ball-bearing mechanism with positive click stop
Objectives	Plan Achromat: 4 x (NA 0.10, WD 18.5 mm), 10 x (NA 0.25, WD 10.6 mm), 20 x (NA 0.45, WD 1.67 mm), 40 x spring-loaded (NA 0.65, WD 0.60 mm), 100 x spring-loaded oil (NA 1.25, WD 0.13 mm)
Stage	Co-axial low-drive mechanical rackless stage, 125 x 145 mm; traverse 76 x 30 mm; single slide holder; side flap for safety

Technical specifications (continued)

Specification	Details
Condenser	Pre-centred Abbe condenser, NA 1.25, aperture iris diaphragm with markings for 4 x , 10 x , 20 x , 40 x and 100 x
Focusing	Co-axial coarse and fine controls; coarse focus range 20 mm; fine focus rotation 0.3 mm
Illumination	3 W LED; stated LED life 30,000 h
Battery backup	Rechargeable Li-ion battery, approximately 4-5 h
Automatic shutoff	LED auto-off activates after 30 min when the intensity controller is not touched
Power adapter	12 V adapter, standard
LED status indicators	Red: charging; green: running on battery; blue: charge needed
Body	Aluminium die-cast body; critical movements use ball bearings and wire guides
Condenser holder	Rack-and-pinion mounted
Supplied storage feature	Cord hanger / basket for DC adapter and power cord

Supplied configuration

12 V power adapter (standard)

NEED A QUOTATION?

Request a current quotation. Share quantity, delivery PIN code and accessory requirements.
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This product catalogue is prepared by Jayanti Scientific Instruments. Manufacturer and model names identify the listed product. Technical data follows the identified manufacturer model. Optional accessories are identified separately; performance depends on the stated operating conditions.

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