



Model:
IM-5MET

Typology:
INVERTED RESEARCH MICROSCOPE

Description:
*Laboratory inverted microscope for research applications.
Dye-cast frame, with high stability and ergonomy, for reflected light observation.*

Illumination	<p>Light source type: 12 V 100 W Halogen lamp ; light intensity control using a knob on right side of the frame. Color temperature: 3500 K. External power supply: Input 100-240 Vac 50-60 Hz / Output 15 Vdc 13.4 A. Max power required: 140 W.</p> <p>Eco Function: when activated, the light is completely shut down after 20 minutes of user absence.</p>
Observation Modes	Brightfield, Polarized light, Darkfield.
Focusing	<p>Coaxial coarse and fine focusing mechanism (graduated, 0.002 mm) with upper stop, to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob.</p>
Stage	<p>Translating stage, dimensions 240 x 250 mm. X-Y translation range 50 x 50 mm. Stage metal insert with 12 mm hole.</p>
Diaphragms	<p>Field and Aperture diaphragms (centrable). Lever for Darkfield/Brightfield switching.</p>
Nosepiece	<p>Quintuple revolving nosepiece, rotation on ball bearings. 25 mm thread holes. With: DIC slot, 5 adapter rings (for mounting RMS objectives).</p>
Head	<p>Trinocular observation head, inclined 45°. Interpupillary adjustment 50-75 mm. Splitting ratios eyepieces/photo tube: 100/0, 0/100.</p>
Eyepieces	<p>Plan Extra Wide Field, PL 10x/24, High Eyepoint. With Diopter adjustment.</p>
Objectives	<p>Infinity corrected optical system IOS (Infinity Optical System). All objectives are treated with an anti-fungus treatment. Choice among the following items:</p> <p>Plan-achromatic LWD objectives for brightfield, designed to ensure field flatness up to F.N. 25, made by following objectives:</p> <ul style="list-style-type: none"> - IOS LWD U-PLAN MET 5x/0.15, W.D. 10.8 mm (M-1100) - IOS LWD U-PLAN MET 10x/0.30, W.D. 10 mm (M-1101) - IOS LWD U-PLAN MET 20x/0.45, W.D. 4 mm (M-1102) - IOS LWD U-PLAN MET 50x/0.55, W.D. 7.9 mm (M-1103) - IOS LWD U-PLAN MET 100x/0.8, W.D. 2.1 mm (M-1104) <p>Plan-achromatic LWD objectives for brightfield and darkfield, designed to ensure field flatness up to F.N. 25, made by following objectives:</p> <ul style="list-style-type: none"> - IOS LWD U-PLAN MET BD 5x/0.15, W.D. 9 mm (M-1094) - IOS LWD U-PLAN MET BD 10x/0.30, W.D. 9 mm (M-1095) - IOS LWD U-PLAN MET BD 20x/0.45, W.D. 3.4 mm (M-1096) - IOS LWD U-PLAN MET BD 50x/0.55, W.D. 7.5 mm (M-1097) - IOS LWD U-PLAN MET BD 100x/0.80, W.D. 2 mm (M-1098) <p>Semi-Apochromatic LWD objectives for brightfield, designed to ensure field flatness up to F.N. 25, made by following objectives</p> <ul style="list-style-type: none"> - IOS LWD U-PLAN F MET 5x/0.15, W.D. 19.5 mm (M-1171) - IOS LWD U-PLAN F MET 10x/0.30, W.D. 10.9 mm (M-1172) - IOS LWD U-PLAN F MET 20x/0.50, W.D. 3.2 mm (M-1173) - IOS LWD U-PLAN F MET 50x/0.80, W.D. 1.2 mm (M-1174) - IOS LWD U-PLAN F MET 100x/0.90, W.D. 1.0 mm (M-1175)

Objectives	Semi-Apochromatic LWD objectives for brightfield and darkfield, designed to ensure field flatness up to F.N. 25, made by following objectives - IOS LWD U-PLAN F MET BD 5x/0.15, W.D. 13.5 mm (M-1180) - IOS LWD U-PLAN F MET BD 10x/0.30, W.D. 9.0 mm (M-1181) - IOS LWD U-PLAN F MET BD 20x/0.50, W.D. 2.5 mm (M-1182) - IOS LWD U-PLAN F MET BD 50x/0.80, W.D. 1.0 mm (M-1183) - IOS LWD U-PLAN F MET BD 100x/0.90, W.D. 1.0 mm (M-1184)
Dimensions	HEIGHT: 400 mm WIDTH: 360 mm DEPTH: 750 mm WEIGHT: 10 kg
Accessories	Polarizer and rotating analyzer filter. Slider with blue LBD filter. Instruction manual and dust cover included.



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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

