

Inverso Material Science

HIGHLIGHTS

- ✓ Microscope for Material Science applications
- ✓ Bright Field and Polarization
- ✓ Long working IOS plan achromatic objectives
- ✓ 5x/10x/20x/S50x and S100x objectives
- ✓ Revolving quintuple nosepiece
- ✓ 50 Watt halogen illumination
- ✓ 10 years warranty



Specifications

Eyepieces

Pair DIN EWF Plan 10x/22 mm

Head

Trinocular 45° inclined tubes with extended low and high positions for eyepieces

One diopter adjustment. Interpupillary distance of 54 to 75 mm

Trinocular head with 100-0 % and 80-20 % positions

Nosepiece

Revolving quintuple nosepiece on ball-bearings

Objectives

Infinity color corrected long working distance 5x/0.14, 10x/0.25, 20x/0.40 Plan achromatic IOS objectives and a Plan Semi-Apochromatic S50x/0.55 IOS objective. Optional Plan Semi-Apochromatic S100x/0.80 IOS objective available. Not corrected for cover glass thickness. All optical parts are anti-fungus treated

Stages

Plain 250 x 230 mm stage with coaxial mechanical 120 x 78 mm X-Y stage

Metallic insert with 12 or 25 mm diameter hole

Condenser

Kohler condenser with iris diaphragm and a field iris diaphragm

Focusing adjustment

Coaxial 38 mm coarse and fine adjustments, 2 µm precision

Friction adjustment

Illumination

Intensity adjustable 50 W halogen, 90-240 V main

Filters

Polarization filter, analyzer 360° rotatable included

Models	Features		
	5/10/20/S50x LWD objectives	S100x LWD objective	Mechanical stage
IM.2153-PLM	•	•	•
IM.2653-PLM	•		•

Accessories & Spare parts

- IM.6010 HWF 10x/22 mm eyepiece
- IM.6015 HWF 15x/16 mm eyepiece
- IM.6110 HWF 10x/22 mm eyepiece with micrometer reticule
- IM.6099 Pair of eyeshades

- IM.8205 Plan achromatic LM 5x/0.14 IOS objective, working distance 20 mm
- IM.8210 Plan achromatic LM 10x/0.25 IOS objective, working distance 16 mm
- IM.8220 Plan achromatic LM 20x/0.40 IOS objective, working distance 7.8 mm
- IM.8250 Plan Semi Apochromatic LM S50x/0.55 IOS objective, working distance 7,9 mm
- IM.8200 Plan Semi Apochromatic LM S100x/0.80 IOS objective, working distance 2,1 mm

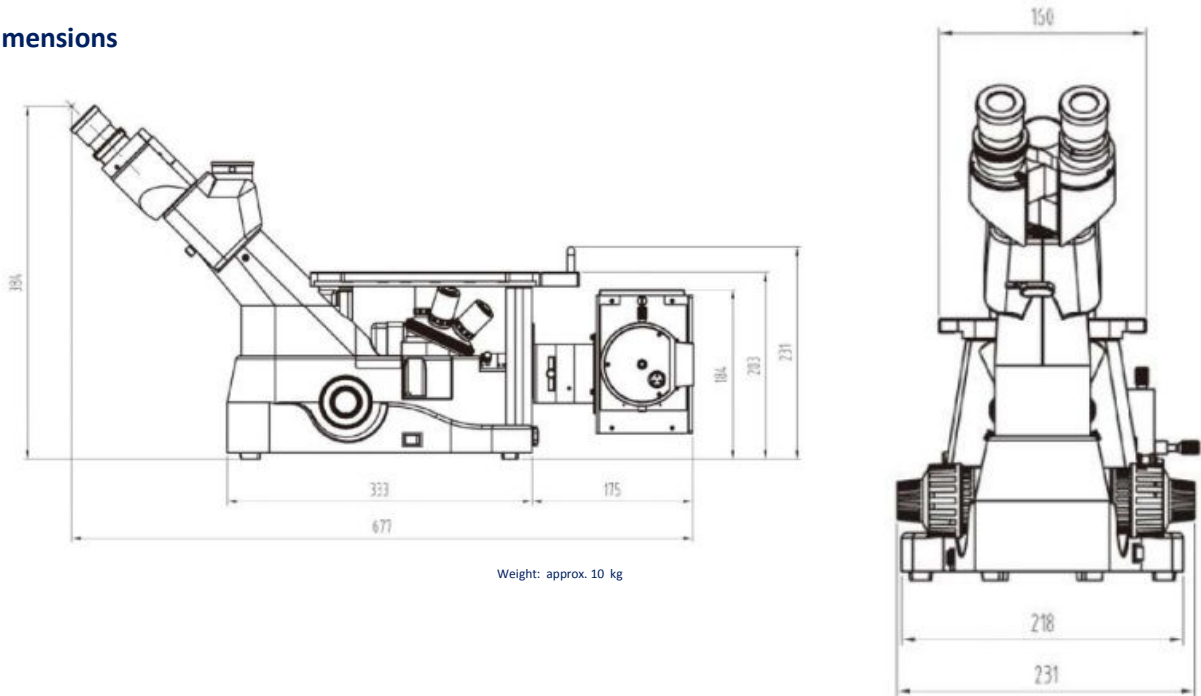
- IM.9500 Mechanical coaxial X-Y 120 x 78 mm stage
- IM.9506 Transparent glass insert with hole
- IM.9508 Metal insert with 12 mm hole
- IM.9509 Metal insert with 25 mm hole
- IM.9550 Stage extension plate

- IM.9700 Blue filter
- IM.9702 Green filter
- IM.9710 Polarizer filter. Fits illumination block
- IM.9712 Analyzer filter, 360° rotatable. Fits under nosepiece

- IM.9805 Photo adapter with 0.5x magnification relay lens for 1/2 inch C/CS mount camera

- IM.9827 Photo adapter for SLR camera without T2 adapter
- IM.9832 3.2x lens for IM.9827
- AE.5025 T2 adapter for Nikon SLR camera for IM.9827
- AE.5040 T2 adapter for Canon EOS SLR camera for IM.7827

- AE.3199 Glass fuses 3.15A 250 V packed per 10 pieces
- SL.3679 12V 50 W halogen bulb for Material Science IM series inverted microscopes

Dimensions**Models**