

Oxion Inverso for materials science

HIGHLIGHTS

- Materials Science applications
- Observation of all types of materials
- Brightfield with polarization options
- Long working IOS plan achromatic objectives
- Long working IOS plan semi apochromatic objectives
- Revolving quintuple nosepiece
- 50 W halogen Köhler illumination
- 10 years warranty



OX.2153-PLM

TECHNICAL SPECIFICATIONS

EYEPIECE(S)

- Pair of DIN HWF Plan 10x/22 mm eyepieces

NOSEPIECES

- Revolving quintuple nosepiece on ball-bearings

HEADS

- Trinocular 45° inclined tubes with extended low and high positions for eyepieces
- One diopter adjustment on left eyepiece. Interpupillary distance of 54 to 75 mm
- Trinocular head with 100-0 % and 80-20 % positions

OBJECTIVES

- Infinity color corrected long working distance 5x/0.15, 10x/0.14, 20x/0.45 plan achromatic IOS objectives and a plan semi apochromatic S50x/0.55 IOS objective.
- Model OX.2153-PLM also has plan semi apochromatic S100x/0.80 IOS objective
- Not corrected for cover glass thickness.
- All optics are anti-fungus treated and anti-reflection coated for maximum light throughput

STAGE

- Stage 250 x 230 mm equipped with a coaxial mechanical 120 x 78 mm X-Y stage, delivered with:
 - metallic insert standard with \varnothing 12 mm diameter hole and \varnothing 25 mm diameter hole
 - metallic insert with hole for mechanical stage

CONDENSER

- Abbe condenser with iris diaphragm

FOCUSING ADJUSTMENT

- Coaxial 25 mm coarse and fine adjustments, 2 μ m precision and with friction adjustment

ILLUMINATION

- Transmitted Köhler 50 W halogen Intensity adjustable with internal 100-240 V power supply. Fuse holder 3.15 A / 250 V

POLARIZATION

- Standard polarization filter and 360° rotating analyzer

FILTERS

- Standard blue and green filter

PACKAGING

- Supplied with power cord, dust cover, blue and green filters and user manual
- Microscope supplied in an aluminium transport case

MODELS

	LWD plan 5x/10x/20x objectives	LWD plan apochromatic 50x objective	LWDplan apochromatic 100x objective	Mechanical stage
OX.2653-PLM	•	•		•
OX.2153-PLM	•	•	•	•

LWD = long working distance

ACCESSORIES AND SPARE PARTS

EYEPIECES

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

OBJECTIVES

- OX.8205** Plan achromatic PLM 5x/0.14 IOS objective.
Working distance 20 mm
- OX.8210** Plan achromatic PLM 10x/0.25 IOS objective.
Working distance 16 mm
- OX.8220** Plan achromatic PLM 20x/0.40 IOS objective.
Working distance 7.8 mm
- OX.8250** Plan semi apochromatic PLM S50x/0.55 IOS objective.
Working distance 7.9 mm
- OX.8200** Plan semi apochromatic PLM S100x/0.80 IOS objective.
Working distance 2.1 mm

STAGE AND ACCESSORIES

- OX.9500** Mechanical coaxial X-Y 120 x 78 mm stage
- OX.9506** Transparent glass insert with hole
- OX.9508** Metal insert with Ø 12 mm hole
- OX.9509** Metal insert with Ø 25 mm hole
- OX.9535** Metal insert for Petri dish 35 mm diameter
- OX.9599** Universal culture-dish holder for translation stage

FILTERS

- OX.9700** Blue filter
- OX.9702** Green filter
- OX.9703** IR cut-off filter

PHOTO ADAPTERS

- OX.9810** CS/C mount with 1.0x objective
- OX.9833** CS/C mount with 0.33x objective for 1/3" sensors cameras
- OX.9850** CS/C mount with 0.5x objective for 1/2" sensors cameras

MISCELLANEOUS

- AE.5120** Standard 23.2 mm diameter tube
for Oxion Inverso photo port
- AE.5130** Universal SLR camera adapter with 2x projection lens for
23.2 mm tubes. Needs T2 adapter and AE.5120
- AE.5025** T2 adapter for Nikon D digital SLR cameras
- AE.5040** T2 adapter for Canon EOS digital SLR cameras
- AE.3199** Glass fuses 3.15 A 250 V packed, per 10 pieces
- PB.5155** Microscope slides 76 x 26 mm, ground edges, 50 pieces
- PB.5165** Cover glasses 18 x 18 mm, thickness 0.13 - 0.17 mm,
100 pieces
- PB.5168** Cover glasses 22 x 22 mm, thickness 0.13 - 0.17 mm,
100 pieces
- PB.5245** Lens cleaning paper, 100 sheets per pack
- PB.5255** Immersion oil, n = 1.482 (25 ml)
- PB.5274** Isopropyl alcohol 99% (200 ml)
- PB.5275** Cleaning kit: lens cleaning fluid, lint free lens tissue, brush,
air blower and cotton swabs tissue, brush, air blower,
cotton swabs