

Oxion Inverso

for materials science

HIGHLIGHTS

- Observation of all types of materials
- Brightfield with polarization
- 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

EYEPIECES

Pair of DIN HWF plan 10x/22 mm eyepieces

NOSEPIECE

Revolving quintuple nosepiece on ball-bearings

HEAD

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

OBJECTIVES

Infinity color corrected long working distance 5x/0.15, 10x/0.14, 20x/0.45 plan achromatic IOS objectives and plan semi apochromatic S50x/0.55 and S100x/0.80 IOS objectives. No cover glass correction

All optics are anti-fungus treated and anti-reflection coated for maximum light throughout

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

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

Blue and green filter mounted in slider, that can be inserted at the back of the illumination attachment. Polarization filter in slider, to be inserted under nosepiece

PACKAGE CONTENT

Supplied with power cord, dust cover, blue and green filters and user manual. Microscope supplied in a transport case

MODELS	LWD plan 5x/10x/20x objectives	LWD plan apochromatic 50x objective	LWD plan 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. WD 10.8 mm
- OX.8210** Plan achromatic PLM 10x/0.25 IOS objective. WD 10 mm
- OX.8220** Plan achromatic PLM 20x/0.40 IOS objective. WD 4 mm
- OX.8250** Plan semi apochromatic PLM S50x/0.55 IOS objective. WD 7.9 mm
- OX.8200** Plan semi apochromatic PLM S100x/0.80 IOS objective. WD 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 in slider, for illumination attachment
- OX.9702** Green filter in slider, for illumination attachment
- OX.9710** Polarization filter in slider, fits under nosepiece

C-MOUNT ADAPTERS

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

MISCELLANEOUS

- AE.3199** Glass fuses 3.15 A 250 V, 10 pcs
- SL.3679** Halogen spare bulb 12 V 50 W
- 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 tube. 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



- Large stage with X-Y mechanical stage