



MS/55460

Microscopes, Research, B510

OPTIKA B-510 Series represents the ideal, ultra-modern, advanced routine microscope for efficient analysis in transmitted light applications

- Bright field microscopes are ideal for fixed, stained specimens or having high natural absorption of visible light, supplied with a high-efficiency LED bright field illuminator.
- Phase contrast is a particular technique applied to transparent, non-stainable samples like cultures of living cells, microorganisms, lithographic patterns, latex dispersions, fibres, asbestos and subcellular particles. It reveals many cellular structures that are not visible with a simple bright field microscope
- Dark field illumination is suitable for unstained samples causing them to appear brightly lit against an almost purely black background. Supplied with a high-efficiency LED bright field illuminator, built in condenser and a special 100x oil iris objective, ideal for fresh blood analysis.

Cat. No.	Code	Description
MS/55460	B-510BF	Microscope, trinocular, brightfield 1000x IOS
MS/55462	B-510PH	Microscope, trinocular, phase contrast
MS/55464	B-510DK	Microscope, trinocular, dark field

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Inverted Microscope

Microscope, Trinocular Inverted, XDS-3LT

Trinocular inverted microscope equipped with full series of objectives that covers most applications. The head implements an extremely innovative design, that permits adjustments to compensate for operator height. Every control is easy to reach and each component has been designed with ease of use in mind. The focusing and specimen translation controls are designed to allow the user to rest wrists on the table. The light intensity regulation is placed very close to the focusing knobs.

- Trinocular head inclined 45°
- EWF10x/22mm (paired)
- Quintuple nosepiece
- Long Working distance objectives
- Infinity Optical system
- Plan achromatic PH10x, PH20x, PH40x
- Large stage of 250 x 230 mm.
- Coaxial macro and micro controls
- Long working distance condenser, numerical aperture 0.30WD72mm.
- 6V/30W halogen lamp pre-centred with adjustable intensity

Cat. No.	Code	Description
MS/55502	XDS-3LT	Inverted trinocular microscope
Accessories		
MS/55512	M-785	40x LWD IOS planachr. Phase contrast objective
MS/55514	M-788	Phototube adapter for SLR camera
MS/55516	M-789	CCD camera adapter
MS/55518	M-781	Micrometer eyepiece EWF10x/22mm
MS/55520	M-786	60x LWD IOS plan achromatic objective
MS/55028	M-005	26 x 76mm micrometric slide. Range 1mm, div. 0,01mm
MS/55522	M-621	6V 30 halogen bulb, spare
MS/55524	M-036	Dust cover



MS/55502

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Polarising Microscope

Microscope, polarising, Optika B-510POL, Trinocular

Polarised light microscopy provides all the benefits of bright field microscopy and offers a wealth of information which simply is not available with any other optical microscopy technique. Examples are refractive indices, birefringence, retardation, extinction angle and pleochroism. It is best known for its geological applications, primarily for the study of minerals in thin rock sections, but it can also be used to study many other materials.

Optika polarising microscopes offer a complete system for your laboratory analysis, including polariser and analyser filter, Bertrand lens for conoscopic observation, compensator plates and high-precision rotatable stages. The X-LED³ illumination system provides a high-intensity light source which delivers bright and clear images.

Technical Specifications	
Head	Trinocular 30° inclined, 360°
Eyepieces	Plan wide field, PL 10x/22
Bertrand lens	Swing-out type, centrable (for Conoscopy/Orthoscopy)
Nosepiece	Quadruple, reversed, with centering system for each objective
Objectives	W-Plan IOS POL 4x, 10x, 20x and 40x
Focusing system	Coaxial coarse and fine
Stage	145mm diameter, 360° rotating, lockable and centrable with stop knob
Condenser	N.A. 0.2/0.9, swing-out, with centering system and 360° rotating polariser
Illumination	X-LED ³ (3.6W) manual brightness control

Cat. No.	Model	Description
MS/55602	B-510POL	Polarising microscope with Trinocular head



MS/55602

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