


iScope materials science (polarization)

Microscopes for materials science applications have the specific objectives and other tools like incident illuminations, polarization and compensation filters. This allows precise observation of materials like metals, plastics, minerals, asbestos, glass, wood and chemical materials. Euromex offers a range of metallurgical microscopes, microscopes with rotatable stages and stain-free objectives for polarized light observation, microscopes for asbestos identification and inverted materials science microscopes iScope for polarization. The iScope microscopes are supplied with specific attachments that turn the iScope into a state-of-the-art material science microscope suitable for various applications. There are three types of materials science microscopes: Metallurgical and polarization microscopes and microscopes specially for asbestos identification.

CONFIGURATIONS

The iScope microscope is available in many configurations and can be upgraded with a variety of contrast types.

Find all the polarisation models here







[Find the standard models here](#)

[Find the darkfield models here](#)

[Find the fluorescence models here](#)

[Find the phase contrast models here](#)

Models	Features	IS.1052- PLPOLi 51809	IS.1053-PLPOLi 51810	IS.1052- PLPOLRi 51811	IS.1053- PLPOLRi 51812	Product number
	Binocular	●		●		
	Trinocular	●	●		●	
Eyepieces	EWF 10x / 22 mm, pair, Ø 30 mm	●	●	●	●	IS.6210
	EWF 15x / 16 mm, 1 piece, Ø 30 mm	○	○	○	○	IS.6215
	WF 20x / 12 mm, 1 piece	○	○	○	○	IS.6220
	EWF 10x / 20 mm with crosshair, 1 piece, Ø 30 mm	●	●	●	●	IS.6210-C
	EWF 10x / 20 mm with crosshair and micrometer retide, 1 piece, Ø 30 mm	●	●	●	●	IS.6210-CM
Diopter	Adjustment on both sides	●	●	●	●	
Nosepiece	Maximum objectives	4	4	4	4	
Objectives IOS	Plan PLPOLi(1) 4x / 0.12	●	●	●	●	IS.7904
	Plan PLPOLi(1) 10x / 0.25	●	●	●	●	IS.7910
	Plan PLPOLi(1) 20x / 0.40	●	●	●	●	IS.7920
	Plan PLPOLi(1) S40x / 0.65	●	●	●	●	IS.7940
Stage	Ø160 mm stage, 360° rotatable	●	●	●	●	
Condensers	Swing-out 0.9/1.25 NA condenser	○	○	○	○	IS.9105
	Polarization condenser with gratuated 360° polarizer	●	●	●	●	
Diascopic illumination	3 W NeoLED, Köhler	●	●	●	●	
	Filter White Ø 45 mm	○	○	○	○	IS.9706
	Filter Green Ø 45 mm	○	○	○	○	IS.9702
	Filter Blue Ø 45 mm	○	○	○	○	IS.9700
	3 W NeoLED replacement unit	○	○	○	○	IS.9993
Polarization attachment with:	Transmitted illumination	●	●	●	●	
	50 W 12 V halogen epi-illumination			●	●	
	Polarizer 0-90o			●	●	IS.9708
	Analyzer 360o	●	●	●	●	IS.9602
	Quartz wedge	●	●	●	●	IS.9604
	1 λ first red (530 nm) plate	●	●	●	●	IS.9610
	1/4 λ plate	●	●	●	●	IS.9612
	Bertrand lens	●	●	●	●	IS.9618
	Slider with green and blue filters			●	●	IS.9731
	Slider with analyzer and white filters			●	●	IS.9738
	110 and 240 V power supply			●	●	IS.9241