POLARIZATION MICROSCOPE ► MPL

MPL-2

MPL Polarizing Microscopes allow investigation of composition and structure of materials. Polarized light microscopy is primarily used for study of minerals, but also for cements, ceramics, mineral fibers, polymers and biological molecules. These Microscope can exploy both qualitative and quantitative observations and represent an outstanding tool for materials science, geology, biology, chemistry, metallurgy and medicine. These Microscopes allow polarizing observations, orthoscopic and conoscopic observations.

MPL-1 is equipped with Transmitted illumination.
MPL-2 is equipped both with Transmitted and Reflected illumination, for the most complete range of observations.

Included: protection cover, user manual

SPECIFICATIONS	MPL series	
Optical system	Infinity corrected optics system	
Illumination	**MPL-2**	Trasmitted and Reflected illumination. Koehler illuminator. Halogen lamp 30Watt with adjustable intensity.
	MPL-1	Trasmitted illumination. Koehler illuminator. Halogen lamp 30Watt with adjustable intensity.
Eyepieces	Extra Wide field WF10x/22mm and one micrometric 10x eyepiece (0.01mm)	
Objectives	**MPL-2**	STRAIN-FREE PLAN ACHROMATIC LONG 5x/0.12; 10x/0.25; 40x/0.65; 80x
	MPL-1	STRAIN-FREE PLAN ACHROMATIC LONG 4x/0.1; 10x/0.25; 40x/0.65; 60x/0.75
Focusing	Macrometric and micrometric coaxial knobs on both sides (0,002mm). Upper limit excursion adjustment. Torque adjustment on coarse focus knob	
Attachment	Polarizer and Analyzer. λ and λ/4 compensators, quartz wedge compensator; Bertrand lens	
Nosepiece	Revolving reversed quintuple nosepiece, rotating and locking at every objective.	
Observation tube	Type	Trinocular
	Tube inclination	30° tilted, 360° rotable
	Interpupillary distance adjustment	55-75mm, dioptric difference adjustment ± 5mm
	Light path selector	100% - 0% or 0% - 100%
Stage	Rotating stage with divisions (1° increment), diameter 150mm. Center adjustable and with lock. Slide-sample holder with XY translator.	
Condenser	Abbe condenser, N.A. 1,25; with diaphragm and filter seat. Height and centering are adjustable.	

ADDITIONAL ACCESSORIES

Code	Description	Code	Description
	Infinity Plan Phase contrast complete KIT		16x Eyepiece
	Dark field		100x dry Plan achromatic objective
	Micrometric slide 0.01mm		80x Plan achromatic objective
	BLACKLIGHT CCD digital cameras		EUREKAM PRO CMOS digital cameras

ORDERING CODES

Code	Description	Code	Description
MPL-1	Transmitted 30Watt halogen lamp	MPL-2	Transmitted 30Watt halogen lamp and Reflected 30Watt halogen lamp