

QUALITY SCIENTIFIC AND
MECHANICAL WORKS



QUASMO Petrological MICROSCOPE

Petrological QMM-500

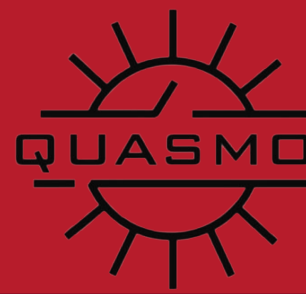
Polarized light microscopy can mean any of a number of optical microscopy techniques involving polarized light. Simple techniques include illumination of the sample with polarized light. Directly transmitted light can, optionally, be blocked with a polariser orientated at 90 degrees to the illumination. More complex microscopy techniques which take advantage of polarized light include differential interference contrast microscopy and interference reflection microscopy. Scientists will often use a device called a polarizing plate to convert natural light into polarized light. These illumination techniques are most commonly used on birefringent samples where the polarized light interacts strongly with the sample and so generating contrast with the background. Polarized light microscopy is used extensively in optical mineralogy



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SPECIFICATIONS

Optical System: High Contrast Infinity corrected Optical System

Observation Head: Binocular / Trinocular head inclined at 30° with IPD 50-75mm with dioptric adjustment eyepiece locking mechanism, and orientation key in one eye tube for the Crosshair reticule eyepiece

Nose-piece:Quadruple revolving nose-piece ball bearing type with proper click stops centerable nosepiece for all position. 530nm Lambda Nosepiece Compensator and Objective centering tools: 2 Object Clamps

Eyepieces: Wide Field 10x eye-piece with 22mm F.O.V, with eye guards anti-fungal & anti-reflection hard coated with crosshair reticule and key for orientation

Mechanical Stage:Circular rotating stage with graduations and adjustable brake, Polarizing stage 170 mm diagram with object guide

Object guide for Pol-Stages with XY- Control suitable for different slide format/
Division: 0.1mm Low drive right side movement

Objectives: Infinity polarizing achromatic free working distance objectives for use with and without cover glass for all magnifications
4x/0.10 Pol, 10x/0.25 Pol, 40x/0.65 Pol. (optional 60x/0.80)
suitable for Transmitted and reflected light applications

Condenser: POL condenser NA 0.85 with aspheric lens. Iris diaphragm antifungal & antireflection coated. Rack and pinion movements on stainless steel guides

Conoscopy:Analyzer/Bertrand Lens Module w/Focusable Bertrand Lens

Focusing Control: Co-axial coarse and fine focusing on gear systems for smooth operation. Fine adjustment 0.2mm / rotation with maximum 2 micron scale increment

Illumination: Koehler Illumination Q-LED 3.5W 3V continuous intensity adjustment Up to 60,000 hours of LED life, built in handle and cord wrap. Auto shut-off function ir sensor

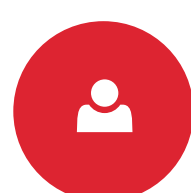
Electronics: Koehler Universal input 110V – 240V AC, 50/60 Hz

Accessories:Dustcover, lens cleaning solution, 5x eyepiece, Operation Manual. spare fuse, cleaning solution 100ml.

**Simpler.
More Intelligent.
More Integrated.**

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QMM-500**

Certifications: BIS (ISI), ISO 9001, ISO 13485, Eu Ce



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