



## Polarizing Microscope TPM-1401



\$3,800.00

Microscopes	Polarizing Microscope	Polarizing Microscope TPM-1000 Series	Polarizing Microscope TPM-1400 Series
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Polarizing Microscope TPM-1401 equipped with a high degree of sensitivity and best suited for anisotropic (mineral) specimens such as geology, minerals, metallurgy, university teaching laboratories, and other sectors. Built-in bertrand lens, polarizer and analyzer, 360° rotatable round stage, filter, condenser, etc. the trinocular viewing head with wild field eyepieces and has excellent infinite strain free plan achromatic: 4X/0.10/∞/-17.3 mm, 10X/0.25/∞/0.17-10.0 mm, 40X/0.65/∞/0.17-0.54 mm objectives, and each eye tube has interpupillary adjustment. Capable of providing strong images with a broad field of view, the multipurpose and perfect for basic studies of sample properties. Come with 12V/50W halogen lights, allowing sample to be illuminated for a more comprehensive field of view. Accomplished with the help of particular devices known as retardation plates and optical compensators. First order retardation plate is used in optical path differences ranging from a fraction of a wavelength up to several wavelengths. This flexible and multipurpose tool is known by different names, comprising a red plate, red-one plate, lambda ( $\lambda$ ) plate, gypsum plate, selenite plate, sensitive violet, or simply a color tint plate and quartz wedge plate is a simple, semi-quantitative optical compensator used to examine optical path differences in a wide range of sample by the quartz wedge. Built in a crystalline block of quartz provide parallel or perpendicular optical axis to the edge of the birefringent crystal

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