

	TRACE-PM 8.5 Polarized Stereoscope	
	<i>Document #: 7382</i>	<i>Page 1 of 1</i>
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8.5 Polarized Stereoscope

Polarized Light Stereomicroscope = A microscope with two optically separate eyepieces to make viewed objects look three-dimensional and giving an upright image; has a filter attachment and base lighting that enables the image to be viewed with transmitted plane polarized light.

The polarized light stereoscope is a useful technique for examination of unknown transparent materials and for comparison of transparent (or nearly transparent) materials such as plastic films.