

Polarising Microscopes

from

GX Microscopes



The largest range of polarising microscopes in the UK ranging from basic models education and hobbyist to advanced research microscopes. Includes transmitted and incident light, monocular, binocular and trinocular models, all with strain-free objectives and rotating stages.

GX Microscopes

product datasheet

JPL-135 Monocular Simple Polarising Microscope



Specifications			
Product Code:			GXMJPL135
Eyepiece	Widfield	WF10X (18mm FOV)	STD
		WF16X (11mm FOV)	OPT
Objectives	Achromatic	4X/0.10	STD
		10X/0.25	STD
		40X/0.65 (sprungloaded)	STD
		100X/1.25 Oil (sprungloaded)	STD
Total Magnification		40X – 1000X	STD
Condenser	Abbe condenser	Abbe condenser, rack & pinion adjustable, NA=1.25	STD
Illumination	Transmitted light	6V20W halogen lamp, adjustable brightness	STD
Nosepiece	Quadruple		STD
Eyepiece Tube	Binocular (Compensation inclination of 30°)		STD
Stage	size - 120mm 360° rotatable		STD
Focus	Coarse/Fine focus mechanism with adjustable tension and limit stopper system		STD

The JPL-135 is equipped with a smooth, rotating, graduated stage and a set of polarisers that allow observation of all types of transmitted light polarised specimens such as thin sections of minerals, polymers, crystals and particulates.

This model, is part of GX Microscope's new range of polarising microscopes, it is affordable by amateur microscopists, schools and colleges.

It is equipped with a comfortable viewing, monocular head and a fine set of achromatic objectives giving a magnification range of 40X – 1000X.

The analyser mounted in the head is retractable and the polariser is mounted over the collector near the lamp and is rotatable though 360deg

The microscope is also supplied with a rack and pinion mounted, adjustable condenser with a 20W illumination source and coarse/fine focus knobs with limit stoppers and tension adjustment.

GX Microscopes

product datasheet

JPL-1350HBG Binocular Simple Polarising Microscope



Specifications

		Model:	JPL-1350HBG
Eyepieces	Widefield	WF10X (18mm FOV)	STD
		WF16X (11mm FOV)	OPT
Objectives	Achromatic	4X/0.10	STD
		10X/0.25	STD
		40X/0.65 (sprungloaded)	STD
		100X/1.25 Oil (sprungloaded)	STD
Total Magnification		40X – 1000X	STD
Condenser	Abbe condenser	Abbe condenser, rack & pinion adjustable, NA=1.25	STD
Illumination	Transmitted light	6V20W halogen lamp, adjustable brightness	STD
Nosepiece	Quadruple		STD
Eyepiece Tube	Binocular (Compensation inclination of 30°)		STD
Stage	size - 120mm 360° rotatable		STD
Focus	Coarse/Fine focus mechanism with adjustable tension and limit stopper system		STD

The JPL-1350HBG is equipped with a smooth, rotating, graduated stage and a set of polarisers that allow observation of all types of transmitted light polarised specimens such as thin sections of minerals, polymers, crystals and particulates.

This model, is part of GX Microscope's new range of polarising microscopes, it is affordable by amateur microscopists, schools and colleges.

It is equipped with a comfortable viewing, adjustable binocular head and a fine set of achromatic objectives giving a magnification range of 40X – 1000X.

The analyser mounted in the head is retractable and the polariser is mounted over the collector near the lamp and is rotatable though 360deg

The microscope is also supplied with a rack and pinion mounted, adjustable condenser with a 20W illumination source and coarse/fine focus knobs with limit stoppers and tension adjustment.

GX Microscopes

XPL1500 series Routine and Research Polarising Microscopes

product datasheet

Specifications	XPL1500 SERIES			
	Model:	XPL1500	XPL1503	XPL1530
	Product Code:	GXXMPL1500	GXXMPL1503	GXXMPL1530
Widefield Eyepieces	10X pair	STD	STD	STD
	10x with reticle crosshair with 10mm/0.1mm divisions	STD	STD	STD
	16X	OPT	OPT	OPT
Head	Monocular			
	Binocular	OPT		
	Trinocular	STD	STD	STD
Centerable Objectives Plan Achromatic POL Strain-free for optimum quality imaging Non-coverslip corrected (coverslip corrected optional)	X4 PLL	STD	STD	STD
	X5 PLL	OPT	OPT	OPT
	X10 PLL	STD	STD	STD
	X20 PLL	OPT	OPT	OPT
	X40 PLL	STD	STD	STD
	X50 PLL	OPT	OPT	OPT
	X60 PLL	STD	STD	STD
	X80 PLL	OPT	OPT	OPT
	X100 PLL	OPT	OPT	OPT
Total Magnification	40x-600x	STD	STD	STD
Condenser	Adjustable, centerable NA 1.30	STD		STD
		Incident Light		STD
		Transmitted and Incident Light		STD
Nosepiece	Quadruple	STD	STD	STD
	Quintuple	OPT	OPT	OPT
Polarisers	Retractable analyser in head 90deg rotatable with scale and rotatable polariser	STD	STD	STD
Plates and wedges, scales and filters	1/4 & 1 wavelength retardation plates, quartz wedge, Bertrand lens centre adjustable	STD	STD	STD
Stage	360° rotatable 30x40mm travel Centerable	STD	STD	STD
Focus	Coarse/Fine focus mechanism, limit stopper and tension adjustment	STD	STD	STD



The XPL1500 series of polarising microscopes are specifically designed for use in routine and university level teaching laboratories. The range includes standard transmitted light models and extends to include an excellent dual illumination model (XPL1530) which has both incident and transmitted illumination.

The XPL1500 series are based on one of GX Microscopes' most popular microscope ranges and feature a highly robust construction and first class optics designed to provide a long life and excellent quality images. This is backed by a 3 year warranty as standard on all models.

Designed with students in mind the number of removable components is minimised and the operation made as simple as possible.

As standard a set of four, very high quality, strain-free, plan achromatic objectives form the heart of the instrument. A set of inserts allow viewing of all standard mineral types.

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Due to our policy of continuous development specifications may change without notice

GX Microscopes

GXP-1

product datasheet

Advanced
Transmission
Polarising
Microscope



Specifications			
		Model:	GXP-1
Eyepieces	Widefield	Two WF10X	STD
		WF10X with graduated crosshair scale	STD
Head	Monocular		OPT
	Binocular		STD
	Trinocular		OPT
Centerable Objectives	Plan Achromatic POL Strain-free for optimum quality imaging	4X/0.10	STD
		10X/0.25	STD
		40X/0.65 (sprungloaded)	STD
		100X/0.85 (sprungloaded)	STD
Total Magnification		40X – 1000X	STD
Condenser		Adjustable, centerable NA 1.30	STD
Illumination	Transmitted light	6V30W halogen lamp, adjustable brightness with spare lamp	STD
Nosepiece		Quadruple	STD
Polarisers		Rotatable, analyser and polariser	STD
Plates and wedges, scales and filters		Mica 1/4 & gypsum 1 wavelength retardation plate, quartz wedge 0.01mm scale, blue filter, transmission adaptor	STD
Stage		360° rotatable 30x40mm travel Centerable	STD
Focus		Coarse/Fine focus mechanism	STD

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The GXP-1 polarising microscope is a professional level instrument equipped with a set of 4 strain-free objectives to provide high quality imaging of a wide range of specimens.

It is equipped with a smooth, rotating, graduated stage, a rotating insertable analyser, Bertrand lens and rotatable polariser that allow observation of all types of transmitted light polarised specimens such as thin sections of minerals, polymers, crystals and particulates.

This model is part of GX Microscope's new range of polarising microscopes and represents the very best value for money in this demanding area of technology.

The standard model is equipped with a binocular head and a fine set of first class objectives giving a magnification range of 40X-630X. The eyepieces are supplied with 3 types of reticules to aid counting, centering and measurement.

The microscope is also supplied with an adjustable condenser with a 30W illumination source and coarse/fine focus knobs with limit stoppers and tension adjustment.

www.gxoptical.com

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