

GX Microscopes

product datasheet

GXM 180M Series

High quality routine & research infinity optics microscopes for biological sciences

Features:

The GXM 180M series of microscopes feature GX Microscopes' latest designs in ergonomics, styling and optical performance. They are designed for use in biological applications and are particularly suitable for university teaching and research laboratories.



Infinity Corrected Optics

The optical system is the latest infinity optics design and includes a range of high eyepoint eyepieces and CF Achromatic or Plan Achromatic high contrast objectives. The optical performance of the microscopes is usually found on instruments costing 4-7 times as much.

Koehler Illumination

Unusually for this price of instrument, full Koehler illumination is provided with a field iris and a rack and pinion mounted Abbe condenser with a 1.25 N.A. guaranteeing optimum image quality.

Reversed Nosepiece

The standard models are provided with a quadruple reversed nosepiece for easy slide loading access. A quintuple nosepiece is available on request.

Easy Handling

Particularly important in the busy teaching laboratory is the incorporation of a carry handle in the rear of the microscope.

Convenient and Safe Lamp Changing

Changing the lamp on the 180M series is made simple and safe with a front removable panel. You no longer need to invert the microscope and access the lamp through the base.

Range of Models

This series of microscopes include a binocular model fitted with CF Achromatic objectives (GXM180M HBG) and a trinocular model for camera attachment with Plan Achromatic objectives (GXM180MPL HTG).

Numerous Accessories

Optional accessories include:

- Polarising kits
- 3 types of phase contrast kits
- Darkfield condensers
- Focusing Eyepieces with Reticules
- 20X & 16X Eyepieces
- LED optical pointer
- Drawing attachment
- Camera adapters
- Cameras



Specifications		Model:	GXM180M HBG	GXM180MPL HTG	
HEAD Adjustable Interpupillary Distance 30 deg Inclined Eyepiece Tubes Adjustable Diopter Setting 360 deg Rotatable	Binocular		●		
	Trinocular			●	
	Eyepieces	Pair 10X EW FN 20		●	●
		Pair 16X WF		○	○
		Pair 20X WF		○	○
	10X WF with 10mm Reticule		○	○	
STAND Carry Handle at Rear 110/220V	Focusing	Coaxial coarse/fine focus with tension adjustment	●	●	
	Illumination	Front access lamp changer	●	●	
		6V/20W adjustable intensity	●	●	
		Field Iris for Koehler Illumination	●	●	
STAGE	Double Layers	Mechanical Stage	●	●	
		Coaxial XY controls	●	●	
		140x140mm working area	●	●	
		75x50mm travel range	●	●	
		Spring-loaded slide holder	●	●	
OBJECTIVE NOSEPIECE Quadruple Reversed	CF Achromatic Objectives	4X NA 0.1	●	○	
		10X NA 0.25	●	○	
		20X NA 0.4	○	○	
		40X NA 0.65	●	○	
		100X oil NA 1.25	●	○	
	Plan Achromatic Objectives	4X NA 0.1	○	●	
		10X NA 0.25	○	●	
		20X NA 0.4	○	○	
		40X NA 0.65	○	●	
		100X oil NA 1.25	○	●	
Quintuple Reversed			○	○	
CONDENSER	Rack & Pinion Mounted	Abbe with iris diaphragm NA 1.25	●	●	
		Darkfield Dry NA 0.9	○	○	
		Darkfield Immersion NA 1.25-1.36	○	○	
OPTIONS	Polarisers	Simple Polariser Kit	○	○	
	Phase Kits	Phase Contrast Slider Kit	○	○	
		Phase Contrast Turret Kit	○	○	
	Teaching Aid	LED Optical Pointer	○	○	
	Drawing Aid	Drawing Attachment	○	○	
	Camera Adapters	0.5X C-mount	○	○	
		1X C-mount	○	○	
	Cameras	Colour Video	○	○	
		Colour Digital up to 14 MPixels	○	○	
		Combination Digital Cameras with Video output	○	○	
Displays	PC for digital cameras	○	○		
	Video display monitors for video output cameras	○	○		
	Live image projectors	○	○		

GX Microscopes is a division of GT Vision Ltd

About GT Vision

GT Vision specialises in the supply of imaging, automation and monitoring products for science and industry. Concentrating on their core expertise in these areas GT Vision offers only products that implement cutting edge technology to elegantly solve quality and productivity problems. With offices in the UK and USA, divisions supporting specific customer groups and a growing number of overseas distributors, GT Vision is rapidly emerging as the preferred supplier to major institutions and industries for these specialist areas.

www.gxmicroscopes.com

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

Oct 06