GX Microscopes

product datasheet

Inverted Biological Microscopes

Inverted Microscopes

Brightfield, Phase & Fluorescence

Brightfield & Phase

GXMXDS-1
Trinocular
Ideal for Teaching

GXMXDS-2
Trinocular
Teaching & Routine

GXMGXD202
Dual Port,
Routine & Research

Fluorescence

GXMXDY-1
Brightfield and
Fluorescence

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GXMXDS-1 & GXMXDS-2 Inverted Microscopes

The XDS family of high quality inverted biological microscopes represent very good value for money and are designed to be affordable for multiple user sites especially in teaching and research laboratories.
Each microscope is equipped with a trinocular head ready for the attachment of a digital camera. The microscopes include a full set of 4 high quality long working distance plan achromatic objectives brightfield and phase objectives on a quadruple objective turret. Specimens can placed on the mechanical stage with a variety of specimen holders and ergonomically positioned controls for XY stage and focus control. The focussing tension can be adjusted and a focus lock protects the objectives from damage. Illumination is provided from an integral halogen lamp with adjustable intensity, a long (XDS-1) (ultra-long XDS-2) working distance condenser and phase contrast set.
The XDS 2 model has the following enhancements over the XDS-1 model:

- ✓ Ultra long working distance condenser 70mm (cf 30mm)
- ✓ 30W lamp (cf 20W)
- ✓ Large stage
- ✓ more specimen holders

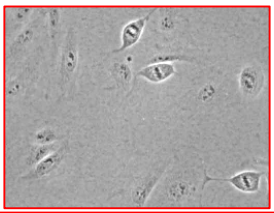
Options include a range of camera adapters, digital cameras, image analysis software, additional objectives and eyepieces.

GXMGXD202 Inverted Microscope

The GXD202 microscope is the latest addition to the GX Microscopes range of inverted microscopes and it is designed for use in research laboratories as a high performance instrument delivering excellent quality images.
It has a very modern design with a high quality, high stability stand. Integrated into the stand and head are two photoports for digital camera attachment. The long working distance plan achromatic objectives are mounted on a quintuple nosepiece and comprise both brightfield and phase objectives.
The mechanical stage is supplied with a variety of different specimen holders. It is a large format stage with removable XY mechanical controls to accommodate larger vessels. It also includes a set of stage extensions.
Focus is controlled by highly smooth coaxial coarse/fine focus knobs with tension adjustment. Illumination is delivered by a powerful 30W halogen lamp with adjustable intensity. The light is focussed through an ultra-long working distance condenser (75mm) equipped with a phase slider.
Unusually for this level of microscope it is supplied with two camera ports onto which different classes of digital camera can be attached.
Options include a range of camera adapters, digital cameras, image analysis software, additional objectives and eyepieces.

GXMXDY-1 Inverted Fluorescence Microscope

A substantial research grade, high quality fluorescence, brightfield and phase inverted biological microscope.
It is ideal for research on cells in culture and is equipped with a comprehensive set of facilities.
The stand is substantial and highly stable making observations at higher magnifications very simple. The head is a trinocular type with a phototube for attaching digital cameras. A set of 6 long working distance brightfield and phase objectives are included which are suitable for use with fluorescence, 5 of which can be mounted at any one time on the quintuple objective turret.
The XDY-1 is supplied with our largest inverted microscope stage and a set of specimen holders. The fluorescence set include 4 cubes for the most common fluorochromes and a mercury vapour burner with the option of other non-mercury light sources.
For normal brightfield and phase observations there is a powerful 30W adjustable halogen illuminator, a set of filters, phase contrast kit and a long working distance (50mm) condenser.
Options include a range of camera adapters, digital cameras, image analysis software, additional objectives and eyepieces and alternative fluorescence illumination techniques.



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Component	GXMXDS-1	GXMXDS-2	GXMGXD202	GXMXDY1
Trinocular Head with Phototube (requires specific camera adapter)	•	•	• 2 Photo Ports	•
Adjustable interpupillary distance and diopter	•	•	•	•
Pair 10X WF Eyepieces	•	•	•	•
Pair 16X WF Eyepieces	○	○	○	○
10x Eyepiece with Reticle 10mm/100 Scale Crosshair	○	○	○	○
Long Working Distance Plan Achromatic Objectives:				
PLL 4X NA 0.10			•	
PLL 10X NA 0.25	•	•	○	•
PLL 20X NA 0.40			○	
PLL 25X NA 0.40	•	•		•
PLL 40X NA 0.60	•	•	○	•
PLL Phase 10X NA 0.25 PHP2	•	•	•	•
PLL Phase 20X NA 0.40 PHP2			•	
PLL Phase 25X NA 0.40 PHP2	○	○		•
PLL Phase 40X NA 0.60 PHP2	○	○	•	•
Quadruple nosepiece	•	•		
Quintuple Nosepiece			•	•
Stage type	Double layer mechanical 200mmX152mm Movement range: 75mmX30mm No hole	Double layer mechanical 224mmX208mm Movement range: 112mmX79mm With hole	Two layer mechanical 230mmX170mm	Double layer mechanical 244mmX208mm Movement range: 112mmX79mm
Specimen Holders	Culture flask (68/77mm) & slides	Culture flask (68/77mm) & slides Culture flask 82x57mm Microtitre plate 128mmx85mm	Culture flask (68/77mm) & slides Petri dish 50/65mm	Culture flask (68/77mm) & slides Culture flask 82x57mm Microtitre plate 128mmx85mm
Halogen Light Adjustable	20W	30W	30W	30W
100W Mercury Vapour with metered controller with epi-illuminator				•
4 Filter cubes excitation ranges(nm): 420-485, 460-550, 330-400, 395-415				•
Long Working Distance Condenser on rack and pinion NA 0.4	30mm WD	70mm WD	75mm WD	50mm WD
Phase Kit with centering telescope and phase plates	Impellent 10X (25X/40X optional)	Slider 10X (25X/40X optional)	Slider 10X, 20X, 40X	Slider 10X, 25X, 40X
Camera Adapters: 0.5X, 1X cmount Canon A640	○	○	○	○
Digital cameras up to 14MP	○	○	○	○
Imaging Software	○	○	○	○