

GX Microscopes

product datasheet



GXMXZB605

Comparison Microscope

A high quality high magnification dual compound microscope with integrated camera option for the comparison, side-by-side, of two specimens illuminated by transmitted light.

This microscope is commonly used in forensics for examining hair, stains, glass fragments, animal and human tissue, plant materials, insects, insect larvae, fibres, translucent replicates and other materials. It is also widely used in archaeology, botany, entomology, micropalaeontology and other collections & artefact identification studies.

The microscope is supplied complete with 2 pairs of eyepieces for the binocular head and 4 objectives sets for each microscope turret giving an overall magnification range of 40X – 1600X (to eyepieces), sufficient to encompass the most demanding examination tasks.

Each microscope is fitted with a slide holder, mechanical stage movement controls, a 1.25NA condenser mounted on a rack and pinion, 20W adjustable intensity halogen light source. The stages have a usable area of 140x140mm and the focusing system includes coaxial course and fine focus knobs and focus limit levers ideal for teaching environments.

The two microscope stands are optically linked via a 'bridge'. The bridge manages the viewing properties of the system and includes a viewing control knob that allows you to select which microscope to view, an adjustable split view between the microscopes and a merge function.

Cameras and camera adapters are optional accessories, both video and high resolution digital cameras are available.

XZB-54A Specifications

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Microscope Type	Comparison microscope comprising binocular viewing head with adjustable interpupillary distance, camera tube port, photography interface port, bridge, to two compound, transmitted light, high magnification microscopes.
Eyepieces	10X WF Flat Field
Objectives	4X, 10X, 40X spring-loaded, 100X oil immersion spring-loaded
Condenser	Abbe NA=1.25, with Diaphragm
Magnification Range	40X – 1000X
Bridge	Knob for adjustable split view between the microscopes and merge function, width adjustable
Stages	Two stages with XY controls, 140mm x 140mm
Illumination	Powerful 12V/20W halogen lamphouse on each microscope base
Focusing	Individual movement of stages for focusing with coarse and fine focus coaxial knobs.

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