LCD Digital Biological Trinocular Microscope with Optional 5M Camera

Model **MSDM125SWISS** | Brand **Master Science** | Unit **Pc**



Binocular Microscope

The MSDM125SWISS LCD Digital Biological Trinocular Microscope is designed for advanced microscopy applications, combining high optical performance with modern digital capabilities. With an optional 5-megapixel camera, this microscope offers the perfect solution for laboratory, research, and educational use, providing crisp and detailed imaging for biological samples.

KEY HIGHLIGHTS

- Additional Information

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Key Features

- The microscope is equipped with a finite optical system, ensuring high-quality imaging for various biological observations.
- A Seidentopf Trinocular Viewing Head inclined at 30°, offering comfort during extended periods of use. It also supports interpupillary distance adjustment between 48mm and 75mm, accommodating various users.
- Wide Field Eyepiece WF 10×/18 for enhanced field of view, providing detailed observations with minimal strain.
- Comes with Achromatic Objectives of 4×, 10×, 40×, and 100×, allowing magnifications suitable for a range of biological specimens, from general observations to high-power oil immersion studies.
- Features a Backward Quadruple Nosepiece, enabling easy and efficient switching between objectives.
- Includes a Double Layer Mechanical Stage measuring 140mm × 140mm, with a movement range of 75mm × 50mm. This, paired with the NA1.25 Abbe Condenser, ensures precise control over specimen positioning and excellent light transmission for high-contrast imaging.
- The Coaxial Coarse and Fine Adjustment mechanism offers smooth, precise focusing with a fine division of 0.002mm and a 25mm moving range, making it ideal for detailed examinations.
- Equipped with S-LED Illumination that provides consistent, bright lighting for samples. The brightness is fully adjustable to suit varying observation conditions.

Additional Information
This microscope provides users with high precision, adaptability, and the latest digital integration for efficient and modern microscopy applications.

Technical Specifications

PARAMETER	SPECIFICATION
Optical System	Finite Optical System
Viewing Head	Seidentopf Trinocular, 30° Inclined, Interpupillary 48-75mm
Eyepiece	Wide Field WF 10×/18
Objective	Achromatic 4×, 10×, 40×, 100×
Nosepiece	Backward Quadruple
Condenser	NA1.25 Abbe Condenser
Focusing System	Coaxial Coarse & Fine, Fine Division 0.002mm, Moving Range 25mm
Illumination	S-LED, Adjustable Brightness
Power Supply	AC220V, 50Hz
Packing Size (Main Body)	380mm × 270mm × 470mm
Gross Weight	8.5 kg
Stage	Double Layer Mechanical Stage (140mm × 140mm), Moving Range (75mm × 50mm)

Applications

Biological and medical research.

Educational institutions for advanced teaching.

Clinical diagnostics.

Documentation and digital imaging for research and presentations with the optional camera.

Optional Accessories

- Option to integrate a 5 Megapixel digital camera, allowing real-time imaging and digital documentation of the observations, perfect for research or teaching environments.
- Power Supply:
- Powered by AC220V, 50Hz, making it compatible with standard power sources in most regions.