

## SZM Series

Advanced stereomicroscopes for teachers



# SZM Series

The stereomicroscopes of the SZM series are instruments designed for laboratory and industry applications.

Their optical and mechanical qualities place them at the top of their category and their price/quality ratio is excellent. The stereomicroscopes share the same optical system consisting of binocular and trinocular heads with zoom objectives.

The six models of the SZM series find their proper application wherever professional instruments are required. Several accessories provide a wide choice of configurations and applications.

## SZM-1

Binocular stereozoom microscope 7x...45x, halogen incident & transmitted illumination.

## SZM-LED1

Binocular stereozoom microscope 7x...45x, LED incident & transmitted light.

## SZM-2

Trinocular stereozoom microscope 7x...45x, halogen incident & transmitted illumination.

## SZM-LED2

Trinocular stereozoom microscope 7x...45x, LED incident & transmitted light.

## SZM-3

Binocular stereozoom microscope 7x...45x, overhanging stand.

## SZM-4

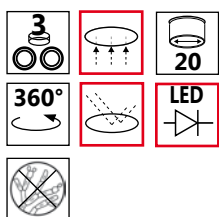
Trinocular stereozoom microscope 7x...45x, overhanging stand.



## X-LED

X-LED powered illumination system.

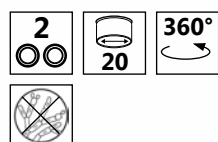
## SZM-LED2



# SZM Series



## SZM-3



### Heads

Binocular and trinocular, 360° rotating and 45° inclined.

### Interpupillary distance

Adjustable between 51 and 75 mm.

### Dioptric compensation

On both eyepiece tubes.

### Eyepieces

EWF10x/20 mm

### Objectives

Parfocal achromatic zoom 0,7x...4,5x (6,428:1 zoom factor).

### Specimen stage:

Fitted with a black/white disc, specimen clips and a frosted disc for transmitted light.

### Focusing

Rack and pinion mechanism controlled by a pair of knobs placed on both sides of the stand.

### Stand

Models **SZM 1/2**: Pillar stand 30 mm diameter and 25 cm high, base: 26x20x6h cm.

Models **SZM-LED 1/2**: Pillar stand 32 mm diameter and 315 mm high, base 27x21x3h cm.

Models **SZM 3/4**: Overhanging stand 42 cm high, 45 cm horizontal arm length, base 23x23cm.

### Illumination

Models **SZM-1/2**: Double, adjustable incident and transmitted light, fitted with two 12V/15W halogen bulbs. The angle of the incident illumination is adjustable.

The two models **SZM-LED1/2** are equipped with a double high-power LED.

## SZM Series - Technical specifications

Model	Head	Eyepiece	Objectives	Working Distance	Stand	Illuminator
<b>SZM-1</b>	Binocular	WF 10x/20mm	0,7x....4,5x zoom	100 mm	Pillar stand	Incident and transmitted 12V/15W halogen
<b>SZM-LED1</b>	Binocular	WF 10x/20mm	0,7x....4,5x zoom	100 mm	Pillar stand	Incident: high power single X-LED Transmitted: LED diffusing disc
<b>SZM-2</b>	Trinocular	WF 10x/20mm	0,7x....4,5x zoom	100 mm	Pillar stand	Incident and transmitted 12V/15W halogen
<b>SZM-LED2</b>	Trinocular	WF 10x/20mm	0,7x....4,5x zoom	100 mm	Pillar stand	Incident: high power single X-LED Transmitted: LED diffusing disc
<b>SZM-3</b>	Binocular	WF 10x/20mm	0,7x....4,5x zoom	100 mm	Overhanging stand	Without illuminator
<b>SZM-4</b>	Trinocular	WF 10x/20mm	0,7x....4,5x zoom	100 mm	Overhanging stand	Without illuminator

# SZM Series - Accessories

## SZM

ST-081	Eyepieces (pair) WF10x/20 mm.
ST-082	Eyepieces (pair) WF15x/15 mm.
ST-083	Eyepieces (pair) WF20x/10 mm.
ST-084	Eyepiece micrometer WF10x/20 mm.
ST-085	Additional lens 0,5x (w.d. 165mm).
ST-091	Additional lens 0,75x (w.d. 117mm).
ST-086	Additional lens 1,5x (w.d. 47mm).
ST-087	Additional lens 2x (w.d. 26mm).
ST-088.SZM	Polarising set (filters and rotating stage) for SZM.
ST-088.SZMLED	Polarising set (filters and rotating stage) for SZM LED.
ST-040.SZM	Darkfield condenser SZM.
ST-040.SZMLED	Darkfield condenser SZM-LED.
ST-100.SZM	Hand moving stage SZM.
ST-100.SZMLED	Hand moving stage SZM-LED.
ST-666.SZM	Heating stage for stereomicroscopes SZM.
ST-666.SZMLED	Heating stage for stereomicroscopes SZM LED.
ST-110.SZM	Moving stage, with coaxial knobs SZM.
ST-110.SZMLED	Moving stage, with coaxial knobs SZM-LED.
ST-111.SZM	Moving stage, with micrometric screws SZM.
ST-111.SZMLED	Moving stage, with micrometric screws SZM-LED.
ST-041	Sample clip.
ST-089	Reflex camera adapter for FULL FRAME sensor.
ST-090	CCD camera adapter (for 1/3" sensors).
ST-090.1	CCD camera adapter (for 1/2" sensors).
ST-036	Eyecups (pair) type 2.
ST-012	White/black object-plate, type 2 dia. 95 mm. *
ST-014	Glass stage, type 2, dia. 95 mm. *
ST-038	Halogen bulb, 12V/15W.
ST-037	Halogen bulb, 12V/15W, with dichroic mirror.
ST-033	Dust cover type 13.
ST-666	Heating stage for stereomicroscopes.
ST-173	Photo adapter for REFLEX camera with APS-C sensor.

\* For LED version special adapter required

## 15104 - Lens cleaner, 50ml

It cleans glass quickly and effectively, without leaving residue or odor. Ideal for precision lens or prism cleaning.



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