

# OPTIKA

M I C R O S C O P E S

I T A L Y

Stereomicroscopes for students

**STEREO**

MS-2 / STX / S-10-P / S-10-L / S-10-2L / S-20-L / S-20-2L / ST-30B-2L

ST-30-2LR / ST-30-2LF / ST-30-2Led / ST-30-2LedR / ST-40B-2L

ST-40-2L / ST-45-2L / ST-50 / ST-50Led

## STEREO Series

Stereomicroscopes for students



STEREO

## STEREO Series

This series includes a wide selection of stereomicroscopes range designed to satisfy every need in both teaching and amateur fields. The whole range, from MS-2 to ST-50, is assembled according to the best technical standards. The optical system, thanks to its transparency, quality and depth, is at the top of its category.

The series is composed of 17 models, each one designed to satisfy multiple needs.

MS-2	Monoscope
STX	Binocular stereomicroscope, LED incident illumination
S-10-P	Binocular stereomicroscope
S-10-L	Binocular stereomicroscope, tungsten incident illumination
S-10-2L	Binocular stereomicroscope, tungsten incident and transmitted illumination
S-20-L	Binocular stereomicroscope, tungsten incident illumination
S-20-2L	Binocular stereomicroscope, tungsten incident and transmitted illumination
ST-30B-2L	Binocular stereomicroscope, tungsten incident and transmitted illumination
ST-30-2LR	Binocular stereomicroscope, tungsten incident and transmitted illumination
ST-30-2LF	Binocular stereomicroscope, tungsten incident and transmitted illumination
ST-30-2Led	Binocular stereomicroscope, LED incident and transmitted illumination, rechargeable battery
ST-30-2LedR	Binocular stereomicroscope, LED incident and transmitted illumination, rechargeable battery
ST-40B-2L	Binocular stereomicroscope, tungsten incident and transmitted illumination
ST-40-2L	Binocular stereomicroscope, tungsten incident and transmitted illumination
ST-45-2L	Binocular stereomicroscope, halogen incident and transmitted illumination
ST-50	Binocular stereomicroscope, tungsten incident illumination
ST-50Led	Binocular stereomicroscope, LED incident illumination, flexible arm



ST-30-2LF





## STEREO Series

### Versatility

The range includes a model, the ST-30-2Led, which allows to work without worrying about the electrical power supply, thanks to its rechargeable longlife battery. "Cold" light allows an excellent vision of the samples.

### Heads

Binocular heads (except for MS-2 model). ST-40B-2L, ST-40-2L and ST-45-2L models have 360° rotating heads. All remaining models have fixed heads. STX, S-10-P, S-10-L and S-10-2L models have vertical heads.

### Specimen stage

All models have specimen stage fitted with a black/white disc and specimen clips. Models with transmitted light have also a frosted disc.

### Interpupillary distance

Binocular heads have an interpupillary distance adjustable between 51 and 75mm. Dioptic compensation adjustable on eyepiece tubes, except for MS-2 model.

### Optical system

WF10x/20mm eyepieces. Supplied objective changes according to the model: 2x fixed objective or double selectable objective (2x-4x or 1x-3x).

Using additional eyepieces and objectives, it's possible to obtain up to 80 magnifications.

The ST-50 and ST-50Led models have a long working distance 2x objective (119 mm).

### Illumination

The models with incident and/or transmitted light have 12V/10W tungsten bulbs. The ST-45-2L model is the only one supplied with halogen bulbs and brightness control. ST-30-2Led, ST-30-2LedR and ST-50Led have LED illumination.

### Focusing

Every model is equipped with focus adjustment knobs located on each side of the stand.





## STEREO Series - Models



MS-2



S-10-L



S-20-L



S-10-P



S-10-2L



S-20-2L



## STEREO Series - Models



ST-30-2LF



ST-40-2L



ST-30-2LR



ST-50



ST-30-2Led



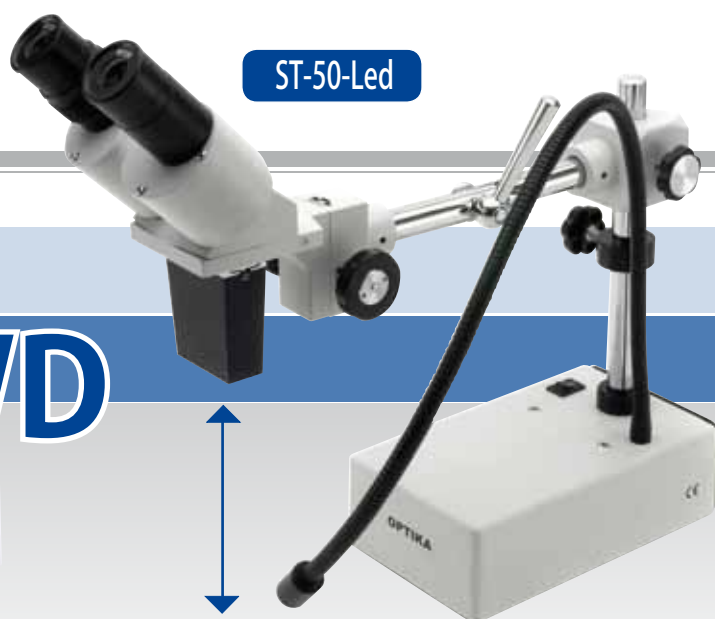
ST-45-2L



STX



# STEREO Series



LWD

LONG WORKING DISTANCE

## STEREO Series - Technical specifications

Model	Head	Eyepiece(s)	Objectives	Stand	Illumination
<b>MS-2</b>	360° rotating - 45° inclined	WF10x/16mm	Fixed 2x	Pillar	Without illumination
<b>STX</b>	Fixed - vertical	WF10x/16mm	Fixed 2x	Pillar, with fixed holder	LED incident light with slot for 2 AA batteries (batteries not included)
<b>S-10-P</b>	Fixed - vertical	WF10x/20mm	Fixed 2x	Pillar	Without illumination
<b>S-10-L</b>	Fixed - vertical	WF10x/20mm	Fixed 2x	Pillar	Incident light - tungsten bulb
<b>S-10-2L</b>	Fixed - vertical	WF10x/20mm	Fixed 2x	Pillar	Incident and transmitted light - tungsten bulbs
<b>S-20-L</b>	Fixed - 45° inclined, backwards	WF10x/20mm	Fixed 2x	Pillar	Incident light - tungsten bulb
<b>S-20-2L</b>	Fixed - 45° inclined, backwards	WF10x/20mm	Fixed 2x	Pillar	Incident and transmitted light - tungsten bulbs
<b>ST-30B-2L</b>	Fixed - 45° inclined, backwards	WF10x/20mm	Selectable 1x-3x	Pillar	Incident and transmitted light - tungsten bulbs
<b>ST-30-2LR</b>	Fixed - 45° inclined, backwards	WF10x/20mm	Selectable 2x-4x	Pillar	Incident and transmitted light - tungsten bulbs
<b>ST-30-2LF</b>	Fixed - 45° inclined, forwards	WF10x/20mm	Selectable 2x-4x	Pillar	Incident and transmitted light - tungsten bulbs
<b>ST-30-2Led</b>	Fixed - 45° inclined, forwards	WF10x/20mm	Selectable 2x-4x	Pillar	LED Incident and transmitted light - rechargeable battery
<b>ST-30-2LedR</b>	Fixed - 45° inclined, backwards	WF10x/20mm	Selectable 2x-4x	Pillar	LED Incident and transmitted light - rechargeable battery
<b>ST-40B-2L</b>	360° rotating - 45° inclined	WF10x/20mm	Selectable 1x-3x	Pillar	Incident and transmitted light - tungsten bulbs
<b>ST-40-2L</b>	360° rotating - 45° inclined	WF10x/20mm	Selectable 2x-4x	Pillar	Incident and transmitted light - tungsten bulbs
<b>ST-45-2L</b>	360° rotating - 45° inclined	WF10x/20mm	Selectable 2x-4x	Pillar with fixed holder	Incident and transmitted halogen lights with intensity adjustment
<b>ST-50</b>	Fixed - 45° inclined, forwards	WF10x/20mm	Fixed 2x	Overhanging	Incident light - tungsten bulb
<b>ST-50Led</b>	Fixed - 45° inclined, forwards	WF10x/20mm	Fixed 2x	Overhanging	LED incident light on flexible Arm

# STEREO Series



ST-30-2Led

## BATTERY FOR FIELD USE

ST-30-2Led with rechargeable batteries  
 Battery box: 3 x AA, 1.2V NiMh – replaceable by the user  
 Battery pack: 3 x AA, 1800 mAh  
 Time required for a full recharge: 10 hours  
 Battery runtime with LED incident light at maximum power: 12 hours  
 Battery runtime with LED transmitted light at maximum power: 14 hours  
 Battery charging enabled while using the microscope.  
 Performances estimated with batteries at their maximum efficiency

## STEREO Series - Accessories

ST-001	Eyepieces (pair) WF5x/22mm
ST-002	Eyepieces (pair) WF10x/20mm
ST-003	Eyepieces (pair) WF15x/15mm
ST-004	Eyepieces (pair) WF20x/13mm
ST-005	Eyepiece micrometer WF10x
ST-020	Objective 1x for S-10-P, S-10-L, S-10-2L, S-20-L, and S-20-2L
ST-021	Objective 3x for S-10-P, S-10-L, S-10-2L, S-20-L, and S-20-2L
ST-022	Objective 4x for S-10-P, S-10-L, S-10-2L, S-20-L, and S-20-2L
ST-025	Objective 1x for ST-50 and ST-50Led
ST-026	Objective 3,5x for ST-50 and ST-50Led
ST-040	Darkfield condenser
ST-041	Sample clip
ST-032	Eye cups (pair) type 1
ST-011	White/black object-plate, type 1 dia. 60 mm
ST-012	White/black object-plate, type 2 dia. 95 mm
ST-015	Frosted object-plate, type 1, dia. 60 mm
ST-014	Frosted object-plate, type 2, dia. 95 mm
ST-006	Tungsten bulb, 12V/10W
ST-008	Tungsten bulb, 12V/10W (for ST-50 only)
ST-028	Halogen bulb 12V/10W
ST-009	Dust cover, type 10
ST-010	Dust cover, type 11, ST-50 and ST-50Led



### 15103 - Lens cleaner, 50ml

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

### OPTIKA SRL

Via Rigla, 30 - 24010 Ponteranica (BG) - ITALIA - Tel.: +39 035 571392 (6 linee r.a.) Fax: +39 035 571435 - info@optikamicroscopes.com

### M.A.D. IBERICA APARATOS CIENTIFICOS

c/. Puig i Pidemunt, nº 28 1º 2ª - (Pol. Ind. Pla d'en Boet) - 08302 - MATARO (Barcelona) España - Tel: +34 937.586.245 Fax: +34 937.414.529

### ALPHA OPTIKA MICROSCOPES HUNGARY

2030 ÉRD, Kaktusz u. 22. - HUNGARY - Tel.: (23) 520-077 Fax: (23) 374-965