

SM 500

Continuous Zoom Stereo Microscope



Model	SM 503	SM 502	SM 501
Optical system	Parallel optical zoom system	Parallel optical zoom system	Parallel optical zoom system
Total magnification	From 8x to 80x	From 8x to 64x	From 8x to 50x
Eyepiece	H WF 10x (ø22mm)	H WF 10x (ø22mm)	H WF 10x (ø22mm)
Zoom objectives	0.8x-8x	0.8x-6.4x	0.8x-5x
Zoom ratio	1:10	1:8	1:6
Zoom mode	Continuous zoom by double hand wheel	Continuous zoom by double hand wheel	Continuous zoom by double hand wheel
Plan achromatic objective	1x WD=78.00mm	1x WD=78.00mm	1x WD=78.00mm
Head	Binocular	Binocular	Binocular
	Inclination of 20°	Inclination of 20°	Inclination of 20°
	Interpupillary distance 55-75mm	Interpupillary distance 55-75mm	Interpupillary distance 55-75mm
	Diopter adjustable ±5	Diopter adjustable ±5	Diopter adjustable ±5
Focusing range	105mm	105mm	105mm
Reflected illumination	3W LED lamp with brightness control	3W LED lamp with brightness control	3W LED lamp with brightness control
Transmitted illumination	6W LED lamp with brightness control	6W LED lamp with brightness control	6W LED lamp with brightness control
Base size	420x410x650mm	420x410x650mm	420x410x650mm
Power supply	230V ±10% - 50/60Hz -1Ph - 30W	230V ±10% - 50/60Hz -1Ph - 30W	230V ±10% - 50/60Hz -1Ph - 30W
Dimensions	370x320x670mm	370x320x670mm	370x320x670mm
Weight	9.5kg	9.5kg	9.5kg

Optional accessories

Model	Description
SM500eyp015x	Eyepiece WF 15x (ø16mm)
SM500eyp020x	Eyepiece WF 20x (ø12mm)
SM500eyp030x	Eyepiece WF 30x (ø8mm)
SM500lens0.5x	Achromatic objective 0.5x WD=195.00mm
SM500lens2x	Plan achromatic objective 2x WD=32.50mm
SM500head	Binocular tilting head, 0-35° inclined, interpupillary distance 55-75mm

Optional accessories

Model	Description
SM500DFK	Dark field attachment
SM500PK	Polarizing attachment
SM500adapter01	Photo tube, beamsplitter 1 port
SM500adapter02	Photo tube, beamsplitter 2 port
SM500adapter03	Camera adapter 0.5x
SM500adapter04	Camera adapter 1x

SM 500 FI

Fluorescence Continuous Zoom
Stereo Microscope

Model	SM 503 FI	SM 502 FI	SM 501 FI
Optical system	Parallel optical zoom system	Parallel optical zoom system	Parallel optical zoom system
Total magnification	From 8x to 80x	From 8x to 64x	From 8x to 50x
Eyepiece	H WF 10x (ø22mm)	H WF 10x (ø22mm)	H WF 10x (ø22mm)
Zoom objectives	0.8x-8x	0.8x-6.4x	0.8x-5x
Zoom ratio	1:10	1:8	1:6
Zoom mode	Continuous zoom by double hand wheel	Continuous zoom by double hand wheel	Continuous zoom by double hand wheel
Plan achromatic objective	1x WD=78.00mm	1x WD=78.00mm	1x WD=78.00mm
Head	Binocular	Binocular	Binocular
	Inclination of 20°	Inclination of 20°	Inclination of 20°
	Interpupillary distance 55-75mm	Interpupillary distance 55-75mm	Interpupillary distance 55-75mm
	Diopter adjustable ±5	Diopter adjustable ±5	Diopter adjustable ±5
Focusing range	105mm	105mm	105mm
Reflected illumination	100W ultra hi-voltage spherical mercury lamp	100W ultra hi-voltage spherical mercury lamp	100W ultra hi-voltage spherical mercury lamp
	3W LED lamp with brightness control	3W LED lamp with brightness control	3W LED lamp with brightness control
Transmitted illumination	6W LED lamp with brightness control	6W LED lamp with brightness control	6W LED lamp with brightness control
Base size	420x410x650mm	420x410x650mm	420x410x650mm
Power supply	230V ±10% - 50/60Hz -1Ph - 30W	230V ±10% - 50/60Hz -1Ph - 30W	230V ±10% - 50/60Hz -1Ph - 30W
Dimensions	370x320x670mm	370x320x670mm	370x320x670mm
Weight	9.5kg	9.5kg	9.5kg

Optional accessories

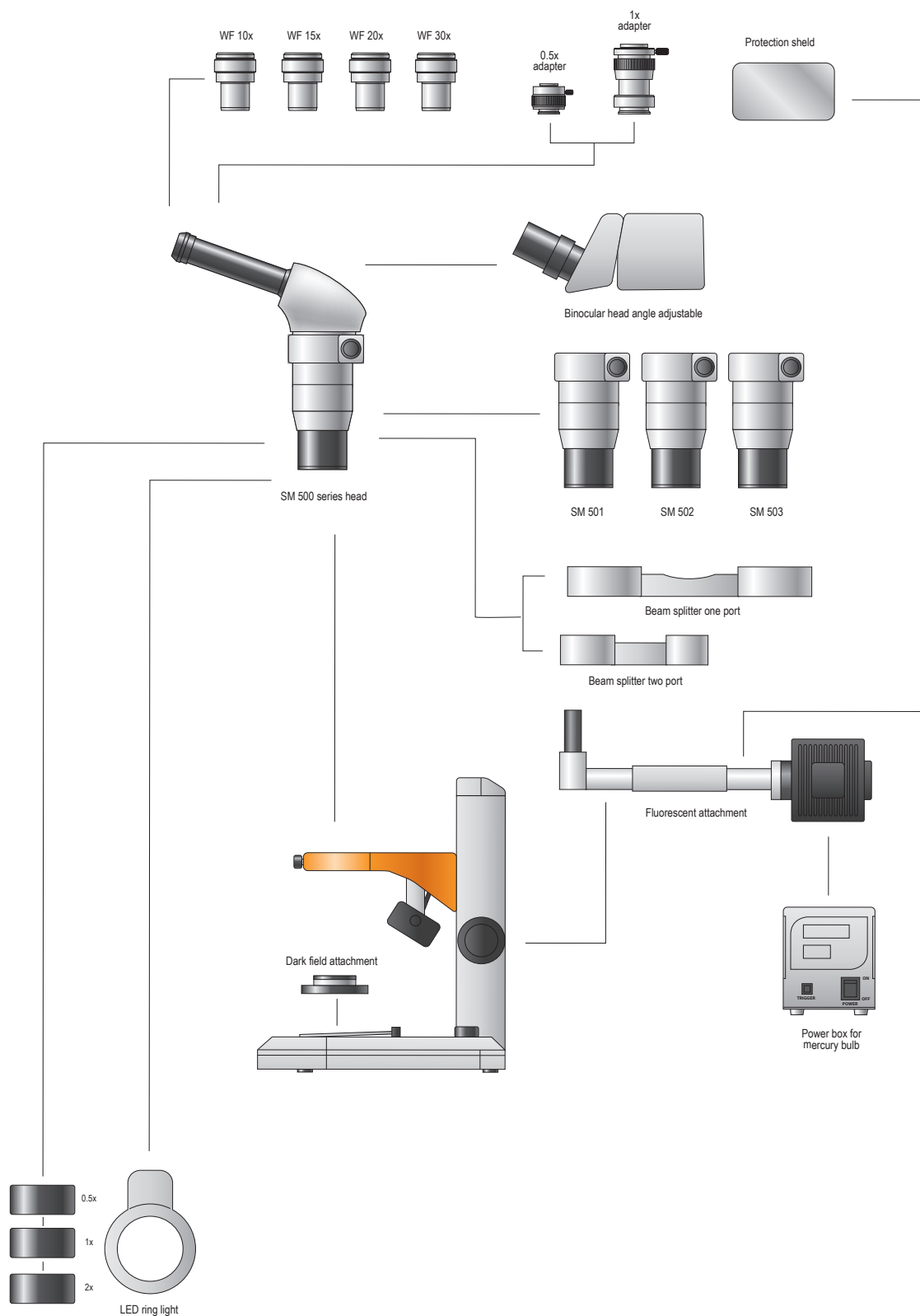
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Optional accessories

Model	Description
SM500DFK	Dark field attachment
SM500PK	Polarizing attachment
SM500adapter01	Photo tube, beamsplitter 1 port
SM500adapter02	Photo tube, beamsplitter 2 port
SM500adapter03	Camera adapter 0.5x
SM500adapter04	Camera adapter 1x

COMPONENTS DIAGRAM

SM 500 series





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