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Microscopes, BMS 100FL

The BMS 100FL series is a microscope that meets the demands of educational applications. A choice of illumination is available; the built in Tungsten or the LED version. The LED version is a fully portable, cordless model which relies on a battery pack for power. The long life LED illumination, up to 10,000 hours, is safe because of the low voltage.

Catalogue No	Description	
M409-176	Viewing Head: Eyepiece: Nosepiece: Objectives: Condenser: Illumination:	Monocular tube inclined at 45°, 360° rotatable Widefield 10x/18mm with pointer Quadruple DIN achromatic 4x, 10x, and 40x with slide protection Fixed, N.A. 0.65 with built in iris diaphragm Tungsten 230V-20W
M409-180	Viewing Head: Eyepiece: Nosepiece: Objectives: Condenser: Illumination:	Monocular tube inclined at 45°, 360° rotatable Widefield 10x/18mm with pointer Quadruple DIN achromatic 4x, 10x, and 40x with slide protection Fixed, N.A. 0.65 with built in iris diaphragm 7 LEDs's (20W). Adjustable

Microscopes, BMS D1EP

The BMS D1 series offers a wide range of high quality microscopes incorporating a combination of advanced techniques and modern design. Three models are available: Monocular, Binocular and Trinocular.

Catalogue No	Description	
M409-211	BMS D1EP Viewing Head: Eyepiece: Nosepiece: Objectives: Stage: Condenser: Illumination:	Monocular tube inclined at 45° with 360° rotation. Widefield 10x/18mm with foldable eyeglass Quintuple DIN e-plan 4x, 10x, 40x, (spring loaded) and 100x (spring loaded, oil immersion) Built in, mechanical stage with low-position coaxial controls Rack and pinion 1.25 Abbe condenser with iris diaphragm and filter holder LED (3 Watt) comparable with 30W Halogen
M409-220	BMS D1EP Similar to the M409-211, however with the following differences: Viewing Head: Eyepiece:	Binocular with dioptic compensation on both eyes tubes 2x Widefield 10x/18 mm, with foldable eye guards
M409-223	BMS D1EP Similar to the M409-220, however with the following differences: Viewing Head:	Trinocular, with a third tube for video- or photo-recording

Accessories

Catalogue No	Description
M409-243	Universal adapter for digital camera
M409-245	Phase contrast set comprising phase objectives PH20x, PH100x, phase slider 20x/100x and phase telescope.
M409-246	Phase contrast set as M409-245 with phase objectives PH10x and PH40x
M409-247	Polarising set
M409-249	Dark field slider

Microscopes, CxL

An upright microscope with outstanding optical performance that is ideal for routine laboratory work. The CxL gives you superior performance and comfort for use in a wide range of applications. Illumination is achieved through LED illumination, with built in rechargeable batteries. A trinocular eyepiece tube can also be fitted to allow for video and photographic recording.

Catalogue No	Description
M410-104	Viewing Head: Monocular tube inclined at 45°, 360° rotatable. Eyepiece: Widefield 10x/18mm Nose Piece: Quadrupte (ball bearing type) Objectives: LP Series 4x, 10x, 40x(SL) and 100x (SL, Oil), Semi Plan achromatic objective Stage Size: 135mm x 124mm, cross travel 75 x 50mm with "soft feel" low drive co-axial control Condenser: Sub-stage ABBE condenser with aspheric lens N.A 1.25 on rack and pinion movement, complete with iris diaphragm and daylight blue filter System: Co-axial coarse and fine focusing mechanism system on ball bearing guideways, with tension adjustment ring and auto focus Illumination: LED illumination with built in rechargeable batteries
M410-120	Similar to M410-104 but with a binocular eyepiece tube
M410-126	Trinocular, similar to the M410-104, however with a third eyepiece tube for video or photographic recording

Please note that a full range of accessories are available upon request.

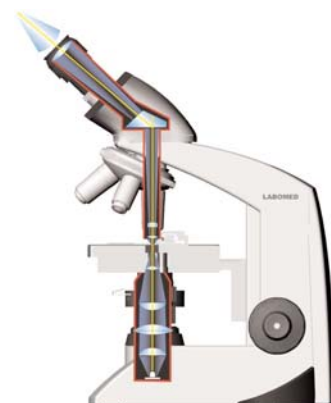
Accessories

Catalogue No	Description
M410-141	Phase kit Comprising of Phase Objective 10x and 40x, Phase Slider 10x with BF stop, Phase Slider 40x with BF stop, Phase annulus centuring tools, Phase telescope, Abbe Condenser with slider slot and Green Filter
M410-142	Dark field / bright field slider
M410-143	Dark field condenser NA 1.25 oil
M410-144	Abbe condenser NA 1.25 with slider path
M410-145	Objective 100x, (oil) for use with M410-143 dark field condenser
M410-147	Slider bright field and dark field
M410-149	Polarizing kit
M410-151	Immersion Oil, 10ml
M410-153	Lens tissue paper, 100 sheets, 100 x 150mm
M410-155	Video adapter 1/2"
M410-157	Video adapter 1/3"
M410-159	LED 3.4V/10W mounted on heat sink

M410-104



M410-126



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M410-314



Microscopes, Lx400

The Lx400 Microscope is a laboratory microscopy system for high-end applications requiring the latest in optical and mechanical advancements. The Lx400 offers great performance features making it a clear choice for advanced laboratory and research applications.

Catalogue No	Description
M410-314	<p>Viewing Head: Siedentopf binocular tubes inclined at 30°, 360° rotatable</p> <p>Eyepieces: Wide field eyepiece 10x/20mm paired with eye guards</p> <p>Nose-piece: Quadruple reverse angle (ball bearing type)</p> <p>Objectives: RP series Infinity Corrected DIN Plan Achromatic objectives 4x, 10x, 40x, (SL) and 100x (SL, OIL)</p> <p>Stage: Rectangular 200 x 160mm double plate with mechanical stage cross travel 78 x 54mm on ball bearing with co-axial control</p> <p>Condenser: Abbe Condenser N.A. 1.25 with aspheric lens and iris diaphragm and special day blue filter</p> <p>System: Co-axial coarse and fine focussing system with auto focus stop and tension control</p> <p>Illumination: LED illumination with built in rechargeable batteries</p>
M410-316	Trinocular, similar to the M410-314, however with a third tube for video or photographic recording

Accessories

Catalogue No	Description
M410-320	Phase kit comprising of Infinity corrected phase plan objective 10x, 20x, 40x and 100x, Phase Turret with BF/phase annulus for 10x, 20x, 40x and 100x phase objectives, Phase Telescope, adapter, green filter and phase annulus centering tools
M410-143	Dark field condenser NA 1.25, Oil
M410-324	Polarizing kit with simple polariser and analyser
M410-326	LED 3.4V/10W mounted on heat sink
M410-327	Rechargeable battery pack (7.4V, 1000mA)

M410-360



Microscopes, BMS A6

Provides excellent optical quality and perfect imaging using an infinite optical system and Kohler illumination. With low and forward position coaxial focus system, focusing knobs and brightness adjustable knob within reaching location, stable integral structure and a reasonable ergonomic design.

Catalogue No	Description
M410-360	<p>Viewing Head: Comfortable observing with binocular tubes inclined at 30°. Suitable for every observer with wide interpupillary range 48-75mm</p> <p>Eyepiece: Wide field eyepiece 10x/22. Focus control with diopter adjustable</p> <p>Nosepiece: Large operating space with backward quintuple nose piece</p> <p>Objectives: Perfect image with infinite plan achromatic objective. 4x, 10x, 40x, 100x</p> <p>Stage: Rectangle double layers mechanical stage 85x142mm, moving range 75x55mm, comfortable operation with low position adjustable knobs</p> <p>Condenser: With swing condenser N.A.0.9/0.25, overcoming illumination asymmetry at low magnification observation</p> <p>Illumination: Halogen 6V-30W with variable illumination control. Kohler illumination with field diaphragm</p>
M410-364	Similar to the M410-360 but with a trinocular eyepiece for video or photographic recording

Microscopes, BMS 140 Zoom, Stereo

High performance, advanced zoom stereomicroscopes providing sharp, crisp images. Supplied with detachable power cord, dust cover, eyecaps, 95mm frosted glass disc, black/white plate and manual.

Catalogue No	Description
M410-355	<p>Eyepieces: Widefield 10/22mm (2x) with high eyepoint eyepieces</p> <p>Tube: 45P, with dioptic compensation on one eyetube, 50-76mm interpupillary adjustment</p> <p>Head: 360P rotatable</p> <p>Objectives: Zoom objectives, steepless from 0.7 to 4.5x</p> <p>Focussing: Coarse focussing knob with tension control</p> <p>Illumination: Adjustable halogen for top light, bottom light or both top and bottom simultaneously, 12V-15W</p> <p>Power supply: 220-230V</p>



M410-355

Microscopes, BMS 143, Zoom, Trinocular

Catalogue No	Description
M410-357	<p>Viewing Head: Trinocular tubes inclined at 45° with dioptic compensation on one eyetube</p> <p>Eyepiece: Widefield 10x/22mm (2x) with high eyepoint eyepieces</p> <p>Objectives: From 0.7x - 4.5x</p> <p>Illumination: System Focussing knobs with tension control Incident and/or transmitted adjustable halogen illumination 12V-15W</p>



M410-357

Microscopes, BMS 141 and 144, Zoom

Catalogue No	Description
M410-421	<p>BMS 141 bino zoom</p> <p>Viewing Head: Binocular tubes inclined at 45° with dioptic compensation on both tubes and 360° head rotation.</p> <p>Eyepiece: Two Widefield 10x/22mm with high eyepoint eyepieces</p> <p>Objectives: From 0.67x to 4.5x</p> <p>System: Focussing knobs with tension control</p> <p>Illumination: Incident and/or transmitted adjustable halogen illumination 12V-15W</p>
M410-423	<p>BMS 144 trino zoom</p> <p>Similar to the M410 - 421, however with the following differences: Trinocular, with a third tube for video- or photo-recording</p>



M410-421

Accessories for zoom microscopes

Catalogue No	Description
M410-361	Polarising Kit
M410-363	Dark field device
M410-365	Spare halogen bulb 12V - 15W for Base
M410-366	Reflector halogen bulb 12V-15W for toplight
M410-367	Boom stand, movement in X and Y-axis
M410-369	Boom stand, extra heavy version, movement in X, Y and Z-axis

Note:

A range of auxiliary lenses are available for use with the zoom microscopes



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Microscopes, BMS tCam eyepiece camera

The BMS tcam is a digital USB camera, with an integrated WF 10x eyepiece, especially designed for use in combination with biological or stereo microscopes. Complete with software, two metal adapters for stereo microscopes 30.0mm and 30.5mm

Catalogue No	Description
M410-710	Image Sensor: 1/2" CMOS with DSP, 3.0 Mega Pixels Resolution: 2280x1370 (horizontal / vertical) Digital Output: USB 2.0, cable length 1.9m Frame Rate: 8 f/s at 1280x1008, 30 f/s at 640x480
M410-714	Image Sensor: 1/2" CMOS with DSP, 5.0 Mega Pixels Resolution: 2592x1944 (horizontal / vertical) Digital Output: USB 2.0, cable length 1.9m Frame Rate: 2 f/s at 2592x1944

M410-710



Microscopes, BMS cCam 3.0 Mpixel C-mount camera

The BMS cCam is a universal C-mount USB 2.0 camera body. Complete with software.

Catalogue No	Description
M410-758	Image sensor: 1/2" CMOS with DSP, 3.0 Mega pixels Pixels: 3.150.000 Resolution: 2280x1370 (horizontal/vertical) Frame rate: 6 f/s at 2048x1536, 30 f/s at 640x480 Spectral range: 400nm-1000nm Sensitivity: 1.8V/Lux-sec@550nm

M410-758



Microscopes, Maintenance Toolbox

Durable plastic toolbox comprising the following content.

- 7 Screwdrivers
- 3 Allen keys
- Crescent shaped wrench for friction of course focussing
- Tube of grease to lubricate moving parts of microscope
- Alcohol to clean lenses
- Lens paper
- Pencil

Catalogue No	M410-990
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M410-990



Microscopes, BMS EcoCam, II

The BMS EcoCam is well suited to operations such as video presentation and video microscopy. The length of the flexible neck allows endless opportunities and makes it easier to position the camera head. Supplied in Aluminium case complete with full set of accessories.

Catalogue No	Description
M410-604	Image Sensor: 1/4" CMOS with DSP Sensitivity in Lux: 1.5 Pixel Format: 5.6mm x 5.6mm Output: S-VHS, USB and sound Lens: 8mm C-mount with Easy Focus Microphone: Built in camera head Goose neck: 26.5" / 66cm White balance: Automatic and on/off switch Iris: Automatic Signal to noise: >48Db Power supply: 12V DC Main supply: 220/230V

M410-604



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