

Biological Microscope

MC100 “Tulip”

MC100BAT “Snowdrop”

MCX100 “Daffodil”





MC100 "Tulip" Routine Biological Microscope

So you do not miss even the smallest detail!

Except for the optical system both models, MC100 and MCX100 boast the same excellent technical features. MC100 has a standard optical system which is provided with Anti-Fungus treatment.

The cross section of the microscope stand resembles the letter "Y" which ensures great stability and therefore permits agitation free photography. Both models are upgradeable for Phasecontrast and Darkfield applications, as well as for Video- & Microphotography.

Mind the Details!

The special Quick Exchange System allows a swift replacement of the light bulb by simply pulling off the housing. After putting it back it will be locked in place by a built-in magnet.



Convenient hand grips at the back of the frame make transportation of the microscope easy.



A little orderliness must be maintained!

For every model a fitting, black/silver colored aluminium transport case is available. Separate compartments to store small parts. With lock and key.

Dimensions: 50 x 33 x 34 cm

Weight: 6,2 kg

Cordless MC100BAT "Snowdrop"

A reliable travel companion!

A microscope that accompanies you everywhere. Whether in remote places without power supply or when you have to be on the road, with MC100BAT you are independent of electric current and can give free rein to your desire to explore.



socket



AC-Power

The illumination is provided by a bright white, long-life LED lamp and a rechargeable high performance Lithium battery. Estimated battery durability is over 50 hours at continuous operation. Recharge time is 5 - 6 hours.

The microscope can be used while the battery is being recharged. LED lamp durability is over 10.000 hours.

LED illumination corresponds with a 20W tungsten bulb. Battery is intended for 400 charges for about 20.000 hours total.

MCX100 "Daffodil" Advanced Biological Microscope

For people who need a clear vista!



Optical System

Identical in construction with MC100, the basic equipment of this model already complies with the wish of an improved optic. The new ICO Infinite Objective Series is chromatically corrected for the focus level and therefore ensures the highest image quality. This optical system is also provided with Anti-Fungus treatment.

Illumination

Bright and clear light is essential! Therefore MCX100 is equipped with a 6V/20W halogen illumination system which makes for a clear, dazzle-free and evenly spread illumination of the sample. The usage of high-quality Philips bulbs results in a prolonged service life when compared with customary bulbs. If the bulb has to be replaced anyway, with the special Quick Exchange System it will be done in a flash.

Strain free working guaranteed!



Focusing Lock

Heads with an inclination of 30° allow for the greatest possible relief of the neck musculature.

Adjustable Interpupillary Distance with diopter compensation from 55 mm to 75 mm can be individually adapted. The eyepieces are also suitable for spectacle wearers.

Quadruple Nosepiece, reverse angle permits to survey the complete surface of the sample and thus to scan the sample much faster.

Coarse Focus Pre-Adjustment allows for an individual mobility adjustment of the coarse focus to meet with your requirements.



Tension Control

Focus Control Level provides for a fluent prefocusing on the sharpness of the sample, a quick retrieving of the once adjusted level of sharpness and furthermore it prevents any unintended damage of the sample or the objective's front lense.

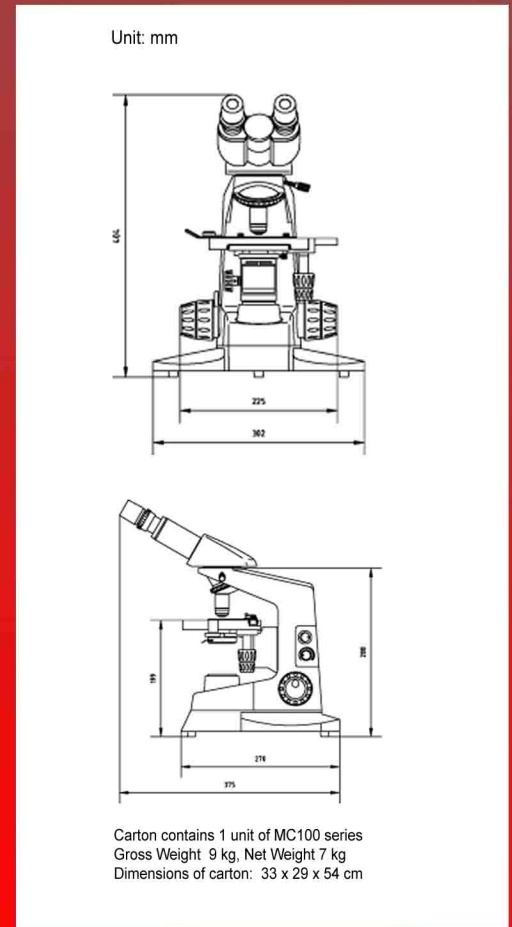
Practical Handling is a requirement for people who regularly work with a microscope. Therefore the operation controls are positioned user-friendly and designed ergonomically.



Specifications

		MC100 "Tulip"	MC100BAT "Snowdrop"	MCX100 "Daffodil"
Magnification Range	40x - 1000x	•	•	•
Microscope Body	Sturdy, 270 x 250 mm base with supportive rubber feet	•	•	•
Nosepiece	Quadruple, forward-turned mechanism with multiple ball bearings, elastic nosepiece grip-ring	•	•	
	Quadruple, reverse-angle mechanism with multiple ball bearings, elastic nosepiece grip-ring			•
Head	Binocular Siedentopf Head, 30° inclined, 360° rotatable, interpupillary distance 55 - 75 mm, provided with Anti-Fungus Treatment	•	•	•
Stage	Double layer mechanical specimen stage with low position, coaxial coarse and calibrated fine focus control with graduation reading 2 microns per division. Total focusing range 40 mm, safety stop unit	•	•	•
Condenser	Abbé brightfield condenser, n.A. 1.25, integrated iris diaphragm and filter tray	•	•	•
Eyepieces	WF 10x/18 widefield	•	•	•
Objectives	ACHRO 4x/0.10			
	ACHRO 10x/0.25	•	•	
	ACHRO 40x/0.65, spring loaded			
	ACHRO 100x/1.25 oil, spring loaded			
	ICO Plan 4x/0.10			•
Illumination	ICO Plan 10x/0.25			
	ICO Plan 40x/0.65, spring loaded			
	ICO Plan 100x/1.25 oil, spring loaded			
	Power supply in-built, 6V 20W halogen bulb adjustable for 110/220V, 50/60Hz.	•		•
Power Cord	LED lamp, powered by LITHIUM battery or alternative by DC9V power supply		•	
		•	•	•
Focusing Level	Adjustable	•	•	•
CA Tension Control	Adjustable	•	•	•
Accessories	Dust cover, blue filter, immersion oil, instruction manual, fuses, 2 pcs. PHILIPS 6V 20W halogen bulbs	•		•
	Dust cover, white filter, immersion oil, instruction manual, power supply for battery recharging and mains operation		•	
Options	Aluminium case, different eyepieces, phototube, phasecontrast and darkfield attachment available. Eyepieces security lockable.	•	•	•

Dimensional Diagram



Microscope design developed and patented by Micros Austria. Specifications and equipment are subject to change without any obligation on the part of the manufacturer.



RMS
Member of
Royal Microscopy Society

micros Austria Headquarter

Breitenfurter Strasse 38
A-1120 Vienna / AUSTRIA
Phone: +43/1/802 72 70
Fax: +43/1/802 72 71
E-mail: office@micros.at
www.micros.at

micros Russia, 123610 Moscow

World Trade Center Moscow
Krasnopresnenskaya nab. 12
Phone: +7/095/967 07 25
Fax: +7/095/667 07 26
www.micros-at.ru

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