

# LET US GUIDE YOU INTO THE EXCITING WORLD OF MICROSCOPY!

Micros MC50 binocular microscope has been developed for routine laboratory applications and now enters the market with a new design and a substantially upgraded optical system. Based on a sturdy construction, you get a solid and attractive instrument with long durability at a very interesting price-performance ratio.

Researchers and explorers, tall and small, will come to cherish the ergonomic arrangement of the operating controls, the DIN standard ACHRO optics or respectively Infnitive Plan optics which guarantee strain free work and a unique quality of illumination.

## EYEPIECES

WF10x/18, Widefield. Allow easy and convenient observation with eyeglasses

## OBJECTIVES

4x, 10x, 40x and 100x Achro for Pink and Poppy, with excellent image-flatness allow a magnification range from 40-1000x. Petunia comes with upgraded Infnitive Plan optics presenting clear and bright images.

## STAGE

Double layer mechanical specimen stage with low position control. Total focusing range 40 mm.

## FOCUS STOP

Prevents damaging of specimen.

## COAXIAL COARSE / FINE FOCUSING KNOB

Assures fatigue-free working because hands are placed on the desk. With graduation reading 2 µm per division.

## CONDENSER

Abbé Brightfield condenser with n.A. 1.25. Integrated iris diaphragm and filter tray.

## BINOCULAR TUBE

Siedentopf type, provided with Anti-Fungus Treatment, 30° inclined, 360° rotatable. Wide interpupillary distance adjustment 55 - 75mm. Quadruple Revolving Nosepiece Mechanism with multiple ball-bearings, elastic nosepiece grip-ring.

## LIGHT ADJUSTMENT

With built-in power supply, 6V20W halogen bulb, adjustable for 110V/220V, 50/60Hz. Continuous light adjustment possible. Equipped with PHILIPS bulbs.

## FIELD STOP

Integrated in frame, accepts filters with 32 mm Ø.



## PINK MC50

Biological Microscope for Routine Laboratory Applications

### OPTICS

Objectives: ACHRO 4x/0.10, 10x/0.25, 40x/0.65 spring loaded and 100x/1.25 oil, spring loaded; Condenser: Abbé brightfield condenser n.A. 1.25, Eyepieces: WF 10x/18 widefield

### MECHANICS

Body: Sturdy base, 270 x 250 mm; Head: Binocular Siedentopf head, 30° inclined, 360° rotatable; Nosepiece: Quadruple ball bearing nosepiece; Stage: Double layer mechanical stage; Illumination: 6V 20W, adjustable for 110/220V

### OPTIONS

LED illumination, eyepieces securely lockable, aluminium case



## PETUNIA MCX50

Reliable Biological Allrounder for Routine Laboratory and Educational Use

### OPTICS

Objectives: ICO Plan Infnitive 4x/0.10, 10x/0.25, 40x/0.65, spring loaded, 100x/1.25, Oil, spring loaded; Condenser: Abbé brightfield condenser n.A. 1.25; Eyepieces: WF 10x/18

### MECHANICS

Body: Sturdy base, 270 x 250 mm; Head: Binocular Siedentopf head, 30° inclined, 360° rotatable; Nosepiece: Quadruple ball bearing nosepiece; Stage: Double layer mechanical stage; Illumination: 6V 20W, adjustable for 110/220V

### OPTIONS

LED illumination, different eyepieces, eyepieces securely lockable, darkfield filter (central stop), aluminium case



## POPPY MC50BAT

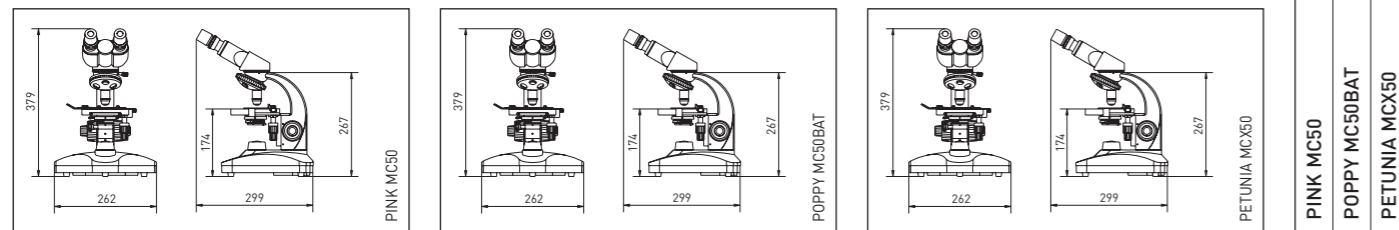
Cordless Biological Microscope for Outdoor Use

Same specifications as Pink MC50 but:

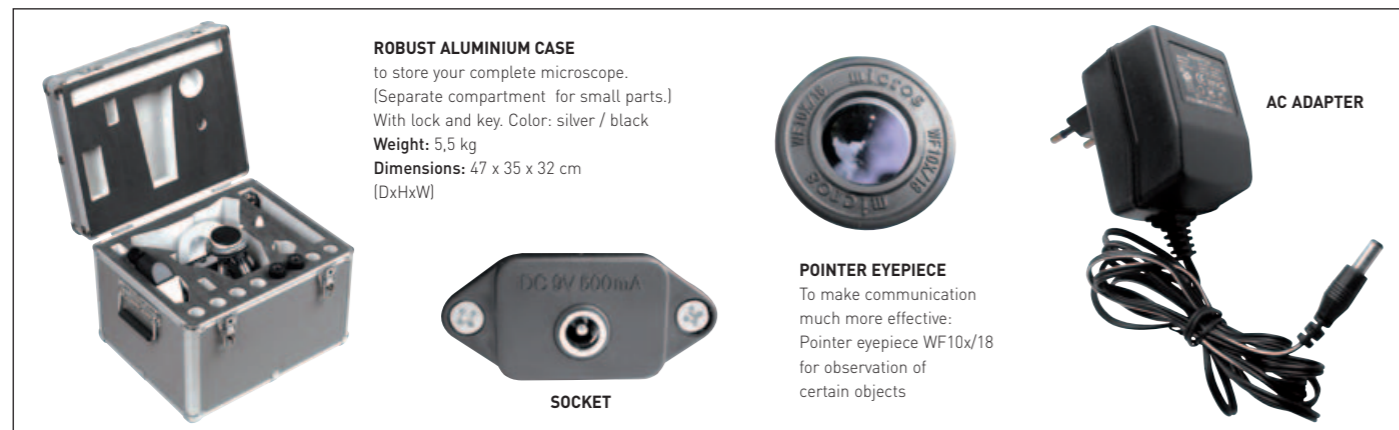
### ILLUMINATION

LED lamp powered by Lithium battery or by DC9V power supply. Estimated battery durability is over 8 hours at continuous operation. Recharge time: 5 - 6 hours. The microscope can be used while battery is being recharged. Battery is intended for 400 charges for about 20.000 hours total.

<b>Magnification Range</b>	Magnification Range 40x - 1000x	•	•	•
<b>Microscope Body</b>	Sturdy, 270 x 250 mm base with supportive rubber feet	•	•	•
<b>Nosepiece</b>	Quadruple, mechanism with multiple ball bearings, elastic nosepiece grip-ring	•	•	•
<b>Head</b>	Binocular Siedentopf Head, 30° inclined, 360° rotatable, interpupillary distance 55 - 75 mm, provided with Anti-Fungus Treatment	•	•	•
<b>Stage</b>	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	•	•	•
<b>Condenser</b>	Abbe brightfield condenser, n.A. 1.25, integrated iris diaphragm and filter tray	•	•	•
<b>Eyepieces</b>	WF 10x/18 widefield			
<b>Objectives</b>	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 ICO Plan 10x/0.25 ICO Plan 40x/0.65, spring loaded ICO Plan 100x/1.25 oil, spring loaded			•
<b>Illumination Halogen</b>	Power supply in-built, 6V 20W halogen bulb adjustable for 110/220V, 50/60Hz, daylight mirror included	•	•	
<b>Illumination Battery</b>	LED lamp, powered by LITHIUM battery or alternative by DC9V power supply		•	
<b>Illumination LED</b>	5W LED lamp, daylight mirror included	•	•	
<b>Accessories for Pink and Petunia</b>	Dust cover, blue filter, immersion oil, instruction manual, fuses, 2 pcs. PHILIPS 6V 20W halogen bulbs (not included in LED version)	•	•	
<b>Accessories for Poppy</b>	Dust cover, white filter, immersion oil, instruction manual, power supply for battery recharging and mains operation	•	•	
<b>Options</b>	Aluminium Case, different eyepieces, eyepieces securely lockable, darkfield filter (central stop)	•	•	•



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



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