

Colposcope

MIKRO EZ5 LED

MIKRO M50 LED

MIKRO M60 LED

MIKRO

Latest technology for routine? – Why not!

MIKRO EZ5 LED

Leica optics is synonymous with superior optical quality in surgical microscopes, classical microscopes and stereomicroscopes the world over. Now you can appreciate it even in routine work in gynaecological ambulance.

The colposcope MIKRO is characterized not only by outstanding optical performance of Leica optics, but also by state-of-the-art technology. Zoom magnification stepless changer with range 5:1 enable parfocal observations from overview to detail by turning the zoom knob.

High magnification requires high light intensity. Efficient new PowerLED direct lightsource gives the user brilliant illumination with virtually endless lifetime. Long-lasting LED technology reduces costs and spare-parts worries.

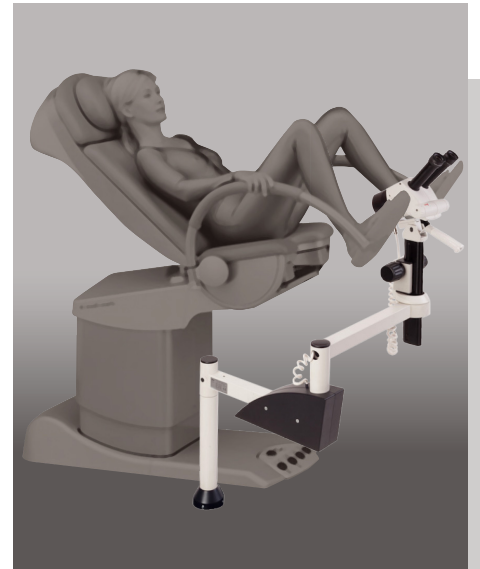
Even in routine clinical examinations patient comfort demands easy maneuverability and quick positioning of colposcope into focus position. The colposcope double-arm construction and fast vertical and horizontal adjustment completely fulfills these requirements.

The performance features

Excellent Leica zoom optics with zoom ratio 5:1 and 4,2x – 21x total range of magnification with 250mm working distance. Leica high eyepoint eyepieces feature dioptre correction to enable examination with or without spectacles.

8 pcs Power LEDs with brilliant intensity of illumination with automatic switch on/off function. LED lifetime is approximately 20.000 hours with very low electricity consumption.

Very easy horizontal and vertical maneuverability. In preadjusted working position, optical head swings in and out for immediate use in less than one second with quick and easy focusing by moving horizontal arm.



For more confident diagnosis

MIKRO M50 LED

MIKRO M60 LED

with discussion and documentation in full HD

The MIKRO colposcope is characterised not only by outstanding optical properties, but also by perfect functioning throughout the long life of the product and by the extent to which it accommodates to the requirements of the gynaecologists. Leica offers a comprehensive range of accessories for all imaginable tasks in investigation, training and documentation. The MIKRO colposcope also represents a good long term investment with regards to these aspects. Viewed objectively, no colposcope on the market today offers a better price-performance ratio.



Choice of step- or zoom magnification changer

MIKRO colposcope is equipped either with Leica M50LED five-step magnification changer or with Leica M60LED 6:1 zoom optics carrier. Leica objectives and eyepieces give not only a crisp image, but even a great depth of field known by Leica users.



LED it be ...

Because the site of the examination is generally recessed and is accessed via a narrow passage, the MIKRO colposcope is equipped with strong PowerLED diodes. This state-of-the-art technology gives not only bright, uniform, adjustable, and automatically switched on/off illumination, but the LED lifetime is almost endless. No concern about lamp replacement and blinding of lightguides.

A built-in green filter can be swung into position to increase the contrast and so that structures can be better differentiated.

Versatile and easily manoeuvrable stand

The stable rollable stand is designed for easy placing of the colposcope by the chair from any side. MIKRO colposcope can be fitted to the left or right of the patient's chair directly, whatever the design. Smooth-running vertical and horizontal movements enable millimetre-accurate and fast positioning. Easy and exact focusing is either by moving the arm or especially by the videocolposcope by fine focusing on the objective.

Go HD!

Modular design of the MIKRO M50LED/M60LED line enables a videocolposcope upgrade any time. An integrated colour digital high-end class Leica IC80HD camera can be attached to the MIKRO colposcope without needing any adapter. The camera and the colposcope together form a compact unit which does not interfere with work procedures. The image can be inspected on the full HD monitor or stored on the SD memory card by pressing the foot pedal. The colposcope is not necessarily connected to a computer, and gynaecologists stay with their own ambulatory software. Images can be transmitted to the computer manually by downloading from the SD card or wirelessly using a WiFi SD card.

Better depth perception, less refocusing

Points of interest are often situated at different levels. The great depth of field enables these various points to be seen at a glance and without frequent refocusing; interrelationships become evident. The pronounced three-dimensionality of the image also imparts an excellent impression of depth, making examination easier.



The MIKRO colposcope: Leica performance, MIKRO price



Technical data MIKRO M50LED, MIKRO M60LED

Optical data		Objective working distance			
		250 mm		300 mm	
Eyepiece	Magnification changer position	Total magnification	Field of view in mm	Total Magnification	Field of view in mm
10 x / 23	0,63	2,5 x	90	2,1 x	109
	1,0	4 x	57	3,3 x	69
	1,6	6,4 x	35	5,3 x	43
	2,5	10 x	23	8,3 x	27
	4,0	16 x	14	13,3 x	17
16 x / 14	0,63	4 x	55,6	3,4 x	66,7
	1,0	6,4 x	35,0	5,3 x	42,0
	1,6	10 x	21,9	8,5 x	26,3
	2,5	16 x	14,0	13,3 x	16,8
	4,0	25,5 x	8,8	21,3 x	10,5

Stand, illuminators

Rollable floor stand	Movable to different locations
Chair stand	Mountable on the chair form left or right side, chair clamp by chair producer
Swing arm	For easy positioning
Focusing	Manual by moving optics carrier Fine by focusing on the objective, range 15 mm
Illumination	2 pcs PowerLED diods, intensity adjustable, automatic switch on/off, integrated flip-in green filter
Voltage	100 V – 240 V

Technical data MIKRO EZ5LED

Optical data	
objective working distance	250 mm
eyepiece	10 x / 23, fix and adjustable
zoom factor	1:5
total magnification	4,2 x – 21 x
illumination	8 pcs LED direct illumination with automatic switch on/off
base	- chair clamp - floor stand
stand	horizontal double-arm with vertical drive
voltage	100 V – 240 V

Stereomicroscope

Magnification changer	MIKRO M50LED: 6:1 in five-step MIKRO M60LED: 6:1 zoom stepless
Interchangable achromatic objectives	f = 250 mm fix f = 250 mm manual fine focus in 15 mm range f = 300 mm fix f = 300 mm manual fine focus in 15 mm range
Wide-field eyepieces for spectacle wearers	10 x / 23 adjustable +5 to -5 dioptries, distort. free 16 x / 14 adjustable +5 to -5 dioptries, distort. free
Total magnification	2,5 x to 16 x (with f=250 mm objective.and 10 x eyepieces)
Field of view	90 mm – 14 mm (with f=250 mm objective and 10 x eyepieces)
Working distance	250 mm, 300 mm
Eyecups	Degree of eye contact adjustable 45 degrees inclined tube (standard)
Binocular tubes	Straight tube Inclined tube with low viewing height
Interpupillary distance	Adjustable from 52 mm to 76 mm

Accessorie for digital documentation

digital color HD camera	Leica IC80HD, stand alone kit, foot pedal, HDMI cable, 2 GB SD memory card
WiFi images transmission to PC	WiFi 4 GB SD card, PC WiFi driver by IT specialist of gynaecologist
Software	Delivered with camera, PC own software of gynaecologist
Monitor	full HD 22" with VESA interface (recommended), HDMI input
Monitor holder	Swing arm holder, 340 degrees rotatable, tilting
Isolation transformer	Integrated in the floor stand base Stand alone for chair stand

Cytology microscope

microscope Leica DM750	planachromatic optics, manual operation for screening
microscope Leica DM3000	wide-field planachromatic optics, motorised functions for expert diagnostics



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