



MIKRO Colposcope M50/M60

The high-performance diagnostic
microscope for gynaecologists

MIKRO

For more confident diagnosis



Objective with 15mm fine-focusing range

Surgical microscopes, stereomicroscopes and classical microscopes from Leica are appreciated in medical practices, clinics and operating theatres the world over. With the introduction of the Mikro colposcope, the optical performance, reliability and ease of use of Leica instruments are now available for gynaecological diagnosis. The high quality of the image itself, and of the illumination, together offer the maximum in terms of information, leading to confident diagnosis, and at a very attractive price.

The Mikro colposcope is characterized 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 gynaecologist. Mikro 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 regard to these aspects. Viewed objectively, no colposcope on the market today offers a better price-performance ratio.



Videocolposcope

The performance features

- Crisp, high-contrast images
- Excellent three-dimensional effect; great depth of field
- 6:1 zoom or five-step magnification changer
- Ergonomic viewing
- Precise horizontal and vertical positioning
- More intense light than in comparable colposcopes
- Optional fine focusing
- Swing-in green filter to increase contrast
- Cold-light source, so no heating
- FULL HD integrated camera
- Accessory modules for observation, photography and video
- Floor and chair stand
- Price lower than for comparable colposcopes



Leica integrated video camera



Leica additional video camera

All optical requirements for gynaecology available from the same source: Colposcope and Leica DM500 microscope



Berge 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.

Ample light at the site of the examination, no warming

Because the site of the examination is generally recessed and is accessed via a narrow passage, the Mikroskopie Colposcope is equipped with a 150W fibre-optic light source which produces a steep, concentrated cone of light, illuminating the site brightly and uniformly. This Leica CLS150XC cold-light source does not produce unwanted warmth. A built-in green filter can be swung into position to increase the contrast and so that structures can be better differentiated.

Choice of step- or zoom magnification changer

The Mikroskopie Colposcope is equipped with the M50 optics carrier (five-step magnification changer) or the M60 optics carrier (6:1 zoom). The magnification changer and the focusing drive can be operated either left- or right-handed. The optical system is designed with the beam paths parallel and with a quality main objective; this ensures that the eyes are not subjected to strain.

Fatigue-free viewing, with or without spectacles

The 45° binocular tube ensures that the specialist works in a comfortable position, whether sitting or standing. For individual ergonomic requirements, various ErgoModules™ are available. The Mikroskopie Colposcope is routinely supplied with wide-field eyepieces for spectacle wearers; these are also suitable for non-spectacle wearers.

Versatile and easily-manoeuvrable stand

The stable rollable stand is designed for different applications in various rooms. In addition, the Mikroskopie Colposcope can be fitted to the left or right of the patient's chair, whatever the design. Smooth-running, lockable articulation for vertical and horizontal movements, and adjustable height, ensure that the microscope is positioned with millimetre accuracy.

Leica DFC295/290HD videosystem

Videocolposcopes are often used with additional cameras Leica DFC295/DFC290HD. Brilliant images or videos are able to make documentation of each examination.

Leica IC80HD video system for professional perspectives

The camera Leica IC80HD, an integrated video HD module of the high-end class, can be attached to the Mikroskopie colposcope without needing an adapter. The camera and the colposcope together form a compact unit which does not interfere with work procedures. The erect, laterally-correct image can be inspected on the monitor and re-positioned as required. The images observed can be immediately printed, transmitted or recorded. In addition, the Leica IC80HD offers new perspectives in fields ranging from live presentations right through to digital post-processing.

The MIKRO Colposcope: More performance, low price



Optical data

		Objective			
		f=250mm		f=300mm	
		Working distance			
		240mm		290mm	
Eyepiece	Magnification changer position	Total magnification	Field of view	Total magnification	Field of view
10x/23B	0.63	2.5x	83.3mm	2.1x	100mm
	1.0	4x	52.5mm	3.3x	63mm
	1.6	6.4x	32.8mm	5.3x	40mm
	2.5	10x	21mm	8.3x	25.2mm
16x/14B	4.0	16x	13.1mm	13.3x	15.8mm
	0.63	4x	55.6mm	3.4x	66.7mm
	1.0	6.4x	35mm	5.3x	42mm
	1.6	10x	21.9mm	8.5x	26.3mm
	2.5	16x	14mm	13.3x	16.8mm
	4.0	25.6x	8.8mm	21.3x	10.5mm

Complete outfits*	Mikro M50 Colposcope		Mikro M60 Colposcope	
	230–240V	100–120V	230–240V	100–120V
with floor stand, f=250mm objective	# 1	# 5	# 1	# 5
with floor stand, f=300mm objective	# 2	# 6	# 2	# 6
with chair adapter, f=250mm objective	# 3	# 7	# 3	# 7
with chair adapter, f=300mm objective	# 4	# 8	# 4	# 8

* All outfits have a 45° inclined binocular tube, 10x/23B wide-field eyepieces for spectacle wearers, and a Leica CLS150XC cold-light source with green filter.

The Business Units in Mikro hold the management system certificates for the international standards ISO9001.

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Stereomicroscope

Magnification changer	Leica M50: five-step Leica M60: 6:1 zoom
Interchangeable achromatic objectives	f=250mm, 300mm with or without fine focusing, focusing range 15mm
Wide-field spectacles for spectacle wearers	10x/23B, 16x/14B, distortion free
Magnifications	2.5x to 16x (with f=250mm objective and 10x eyepieces)
Field of view	83.3mm – 13.1mm (with f=250mm objective and 10x eyepieces)
Working distances	240mm, 290mm
Dioptic correction	Adjustable from +5 to -5
Eyepieces	Degree of eye contact adjustable
Binocular tubes	<ul style="list-style-type: none"> 45° inclined tube (standard) Straight tube Inclined tube with low viewing height Various ErgoModules™
Interpupillary distance	Adjustable from 52mm to 76mm

Stands, illuminators

Range of focusing drive	200mm
Rotatable	360°
Rollable floor stand	Movable to different locations
Chair adapter	Permanently mounted on chair
Cold-light source	Leica CLS150XC (150W) with green filter
Voltage range	100–120V/220–240V

Accessories

Photography	various configurations
Video, filming	Leica IC80HD integrated video camera, image erect and laterally correct, various configurations Leica DFC 290/295 life image 3Mpx resolution (DFC290 full HD output)