

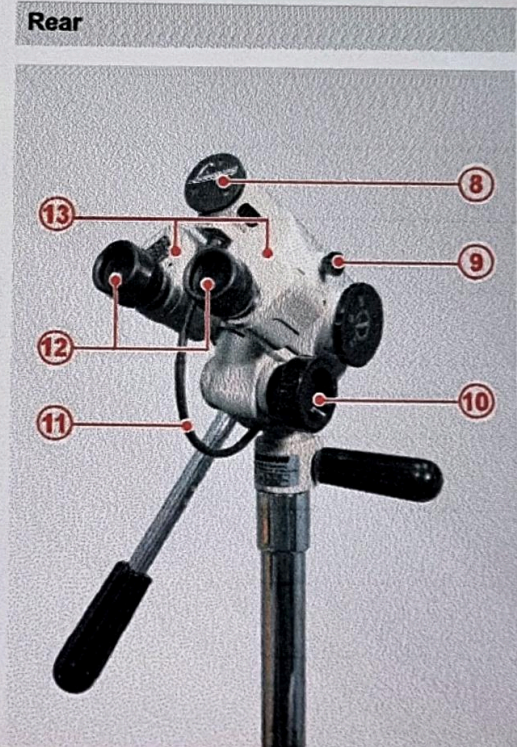
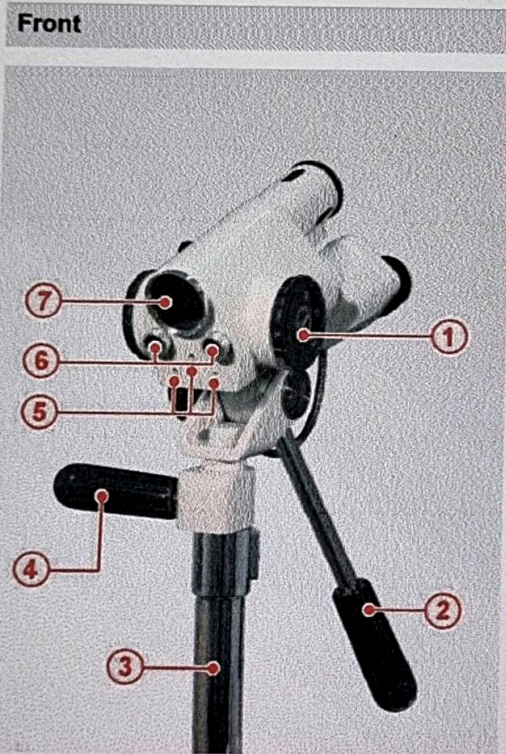
3 Device description

3.1 Essential features

All Leisegang colposcopes offer the following features:

- Convergent beam path; the beam paths converge at a working distance of 300 mm,
- 518. • 300 mm working distance,
- 53. • Green filter for viewing vessels (apart from angled devices),
- Dioptric correction through adjustable eyepieces,
- LED lighting with an illumination intensity of 45,000-52,000 lx¹ and a colour temperature between 5,700-6,000 K,
- Leisegang colposcopes are designed for a service life of 10 years.

3.2 Colposcope



- | | |
|------|-----------------------------|
| 57 { | 1 Magnification changer |
| | 2 Horizontal adjustment |
| | 3 Connector tube |
| | 4 Vertical adjustment |
| | 5 Thread for mounting plate |
| | 6 Front lenses |
| | 7 Lamp optics |

- | | |
|----|-----------------------|
| 53 | 8 LED illumination |
| | 9 Green filter |
| | 10 Clamp nut for tilt |
| | 11 Lamp cable |
| | 12 Eyepieces |
| | 13 Prism bodies |

¹ 23,000-35,000 lx for colposcopes with magnification levels 3.75x/7.5x/15x

Colposcope type plate

| | | |
|---------------|--------------------------------|-------------------------------------------------|
| Model number | COLPOSCOPE | Device designation |
| Serial number | REF 3MVC - 221112 | CE mark |
| Manufacturer | SN 13-071000 | Date of manufacture |
| | Leisegang GmbH | Input |
| | Leibnizstr. 32, D-10625 Berlin | Separate disposal of waste electrical equipment |

Power supply

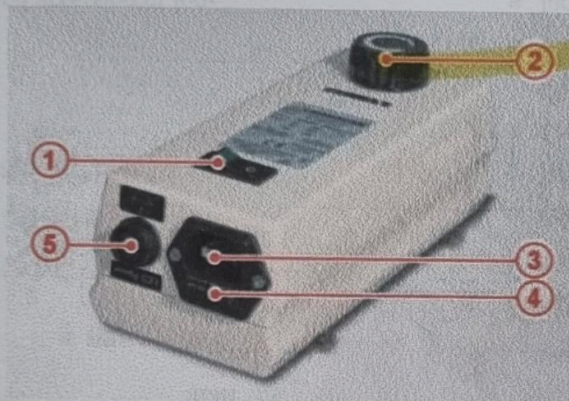


WARNING

Injury through electric shock

The use of a third-party power supply can result in an electric shock.

- ▶ The colposcope models listed above must only be operated with the stated power supplies!



- 1 On/off switch
- 2 **Brightness control**
- 3 Connection for the mains cable
- 4 Fuse holder
- 5 Connector socket with bayonetlock for the lamp cable

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Handwritten note: 'S4' next to item 2 in the legend.

4 Technical data

4.1 General information

| Operational data | |
|--------------------------------------|--------------------------------------------------------------------------------|
| Usage type | Not suitable for use in an oxygen-enriched environment |
| Operating mode | Suitable for continuous operation |
| Applied parts | The device has no applied parts that come into direct contact with the patient |
| Working distance | 300 mm |
| Environmental and storage conditions | |
| Ambient temperature | 10-45 °C |
| Relative humidity | 30-75%, non-condensing |
| Air pressure | 700-1,060 hPa |
| Storage | Dry, cool, protected against dripping water, non-condensing |

4.2 Power supply

| Power supply REF B 6400 / LED Y/C | |
|--------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Input | 100-240 V ~ 2 A _{max} 50/60 Hz |
| Output | 3.2 V $\overline{\text{---}}$ 3 A _{max} 5 V $\overline{\text{---}}$ 600 mA _{max} |
| Protection against electric shock | <input type="checkbox"/> Protection class II |
| Protection against the ingress of solid foreign bodies and liquids | IP 20 |
| Illumination | |
| | With magnification |
| | 3.75x/7.5x/15x 7.5x/15x/30x |
| Light source | LED |
| Power consumption | 10 W |
| Colour temperature T _r | 5,700-6,000 K |
| Illumination intensity E _v (at a distance of 300 mm) | 23,000-35,000 lx 45,000-52,000 lx |
| Illuminated field diameter | 78 mm 58 mm |
| Field of view diameter | 76/38/19 mm 46/23/11.5 mm |

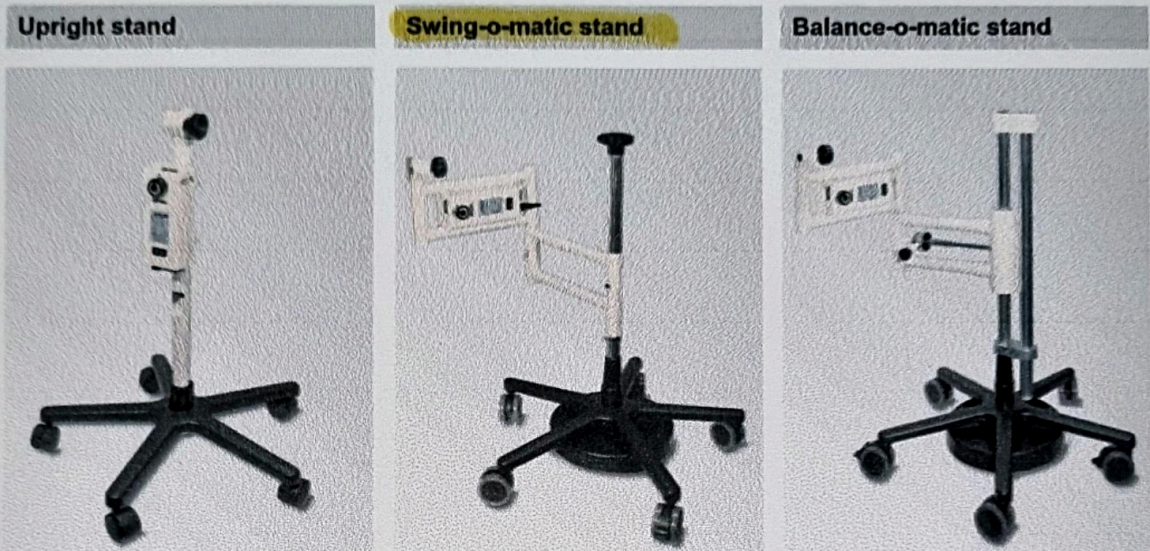
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4.5 Stands



Stands and spider bases are accessories for the colposcope.



| Model | Upright stand | Swing-o-matic stand | Balance-o-matic stand |
|---------------------------------------|---------------------------------------------------------------------|---------------------------------------|----------------------------------------------|
| Mechanical data | | | |
| Weight (without spider base) | 1.75 kg | 5.00 kg | 7.90 kg |
| Weight (with spider base) | 26.75 kg | 30.00 kg | 32.90 kg |
| Dimensions H x W _{max} | 670 x 120 mm | 680 x 640 mm | 750 x 715 mm |
| Horizontal movement | – (rigid column) | freely rotating in a radius of 600 mm | swinging freely in a radius of 600 mm |
| Vertical movement | – (manually lockable) | – (manually lockable) | balanced zero-force-movement, lockable |
| Working height | 970-1090 mm (manually lockable) | 750-1260 mm (manually lockable) | 850-1410 mm (two-stage locking mechanism) |
| Configuration | | | |
| Chair mounting (right/left) | – | • | • |
| Assembly of the 5-wheeled spider base | only with lightweight 5 wheeled spider base (without counterweight) | • | • |

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6.2 Using a colposcope



CAUTION

Risk of injury in the event of a faulty device

A faulty device can cause injuries.

- ▶ If it can be assumed that the device can no longer be operated safely, take it out of service, secure it against further use and contact your supplier.



We recommend that when not in use, the device is switched off and covered with the dust cover.

6.2.1 Performing fine adjustments

Fine adjustment drives

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Both the fine adjustments in horizontal and vertical direction and the angle can be carried out via the two fine adjustment drives:



1 Vertical adjustment

Moves the colposcope head up and down (max. 80 mm).

2 Horizontal adjustment - Focus

Moves the colposcope head back and forth (max. 40 mm).

3 Horizontal adjustment - Tilt

The colposcope head can be tilted by raising or lowering the horizontal adjustment.

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7 Care, maintenance, inspection

7.1 Care and disinfection



WARNING

Injury through electric shock

The power supply is not protected against ingress of water. The ingress of liquid can cause an electric shock.

- ▶ Always pull out the mains plug before cleaning the device.

Colposcope, stand



CAUTION

Damage to the device

To avoid damage to the device, observe the following instructions for cleaning and disinfection:

Cleaning

- ▶ Regularly wipe the colposcope and stand with a damp (not wet) cloth. Use the cleaning solution in the normal dilution. Then dry the device with a dry, lint-free cloth. The following cleaning solutions can be used:
 - Universal cleaner
 - Hygiene cleaner
 - Surface cleaner

Disinfection

- ▶ Disinfect the device with common disinfectants in accordance with the applicable national hygiene standards and according to your internal hygiene plan. The following disinfectants can be used:
 - Ready-to-use alcohol-based disinfectant solution, e.g. 2-propanol (isopropanol)
 - Disinfectants based on amines, e.g. Chloramine-T;
 - Disinfectants based on quats (quaternary ammonium compounds), e.g. dimethyldidecyl
 - Disinfectants based on active oxygen (peroxide), e.g. oxygen releasing compounds.
- ▶ The cleaning and disinfectants have to be used according to the manufacturer's specifications observing the recommended exposure times.

Observe the following cleaning and disinfection instructions to avoid damage to the device:

- ▶ A soap solution can be used to clean the lenses. Cloths suitable for use with optical devices should be used for drying.
- ▶ Do not use any abrasive or aggressive cleaning agents or disinfectants, as they may cause damage and corrosion.

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