

OUR FOCUS IS ON YOUR VISION



Kaps SOM[®] 82 / SLM

The ideal Microscopes
for Medicine and
Technology



Microscopes for Medicine and Technology

Portable, movable and flexible



Our microscopes are ideal for a wide variety of applications in technology and industry.

With their brilliant appearance, excellent illumination and the tried-and-tested modular system, which enables the subsequent adaptation of accessories at any time, they are versatile and can be used individually - wherever details are important. Be it in dental technology, exercises in microsurgery, veterinary medicine, the restoration or as an outpatient device in ophthalmology.

Thanks to their ergonomic design, our stereo-microscopes allow the user to work accurately and without tiring. The color-fast, three-dimensional image has a high depth of field, which makes even the smallest details visible!

Kaps SOM® 82 in an aluminum case for space-saving and safe storage when the microscope is not in use!

Incident Light Stereo-Microscope Kaps SOM[®] 82

When details are essential

The **Kaps SOM[®] 82** can be clamped directly to a sturdy table (see illustration below) or anchored / screwed directly into the table with a table mount (see picture on the right) and is thus also ideally suited for mobile use.

Swivel and suspension arms are infinitely adjustable and allow the use in a larger work area. The microscope can be brought into the desired position with just one hand and ensures a tireless sitting posture.

By combining different magnification changers (3-step, 5-step or manual 1:6 zoom) with tuned binocular tubes and eyepieces, you will find the perfect solution for almost any application.

Of course, the SOM[®] 82 can be equipped with a co-observation device and various camera and video systems.



Due to its high flexibility, the SOM[®] 82 is particularly suitable for training and training centers.
(Image with kind permission of Botzer Ergonomics)



Kaps SOM[®] 82 with assistant tube monocular and table clamp.

Stereo Table Microscope Kaps SLM

Small, compact & flexible



The stereo table microscope SLM adapts perfectly to any room. The table microscope can be used simply and quickly for a variety of tasks in different rooms.

The SLM is available in two sizes:

- SLM 1 with a base plate of 420 x 600 mm
- SLM 2 with a base plate of 300 x 400 mm.

The stable base plate of the tripod ensures constant working positions and observation devices. A coarse height adjustment can be achieved via the column guide (with clamp). The focusing drive of the SLM 1 is 500 mm, that of the SLM 2 300 mm.

The SLM is equipped with a LEDone illumination source, guaranteeing effortless and detailed work in daylight quality.



SLM 2 with LEDone illumination

Due to their compact design and flexibility, the SLM microscopes are particularly suitable for training and training centers.

(Image with kind permission of NIIOS, Netherlands Institute for Innovative Ocular Surgery)

Kaps Accessories for SOM 82 and SLM

Powerful to the last detail



- **Kaps binocular swivel tube 0-210°**

This tube is characterized by a large swivel range with a very small design and always guarantees an upright ergonomically correct working position.



- **Kaps observation tube monocular**

To view the examination field of a second person in the same magnification - particularly suitable for sterile assistance or training.



- **Kaps photo tube for DSLR cameras**

Multi-coated anti-reflection high-end optics for a frame-filling, low-distortion and image field leveled digital camera image for Canon and Nikon.



- **Kaps HD photo adapter for SONY Alpha 5000/6000 (also applies to existing SONY NEX-5/-6/-7)**

HD documentation of medical findings with apochromatic optics for brilliant and true color images with amazing detail diversity in full format.



- **Kaps HD video- and documentation accessories**

Extensive video and documentation accessories available on request. Request current information.



- **Aluminum case for SOM® 82**

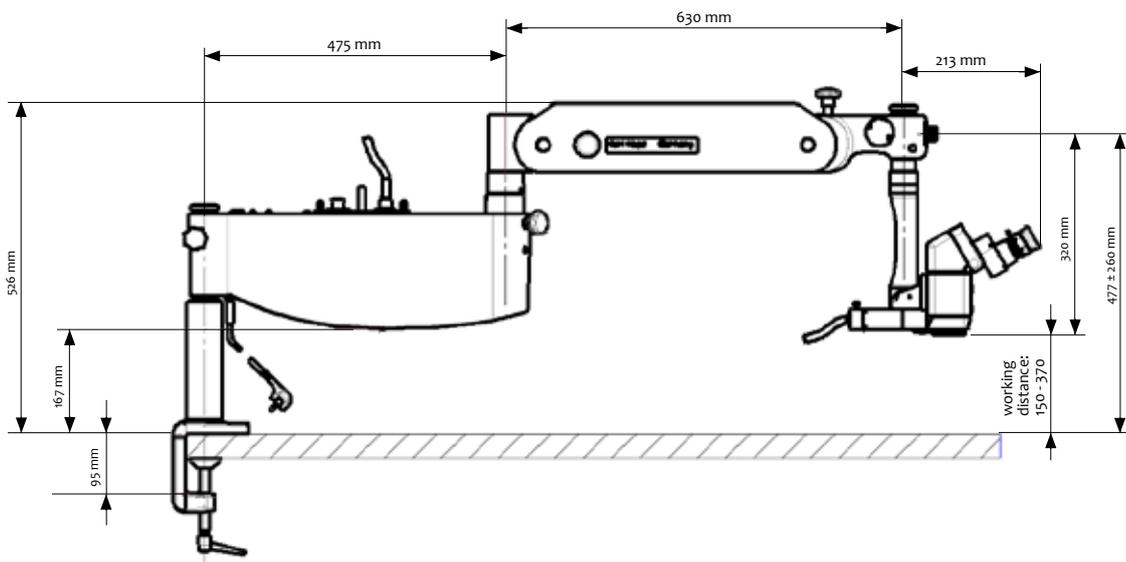
For space-saving and safe storage of the microscope when not in use.

Technical Data

Kaps SOM[®] 82

| | |
|-------------------------------|---|
| Illumination | Cold light illumination 15V / 150 W; LED-illumination integrated (option) |
| Magnification | 3-step magnification changer, manual as standard, 5-step magnification changer, manual (on request), zoom 1:6, manual (on request) |
| Working distance / Objectives | f = 100 mm, f = 150 mm, f = 175 mm, f = 200 mm f = 250 mm, f = 300 mm, f = 350 mm, f = 400 mm |
| Fine focusing | 12 mm with focusing-objective f = 200 mm, f = 250 mm and f = 300 mm, 40 mm manual |
| Binocular tubes | Straight tube f = 125 mm, inclined tube f = 125 mm 45° as standard, on request also straight tube f = 159 mm, inclined tube f = 159 mm 45° or wideangle swivel tube f = 182 mm o – 210° |
| Oculars | 10x V, 12.5 x V or 20 x V |
| Filter | Green filter (other on request) |

SOM[®] 82

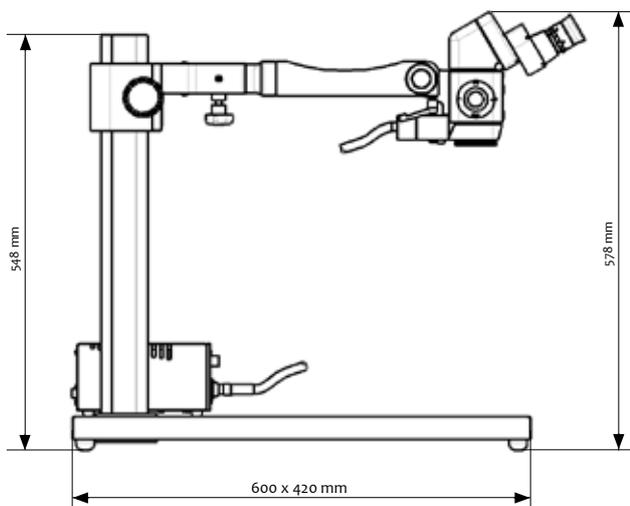


Technical Data

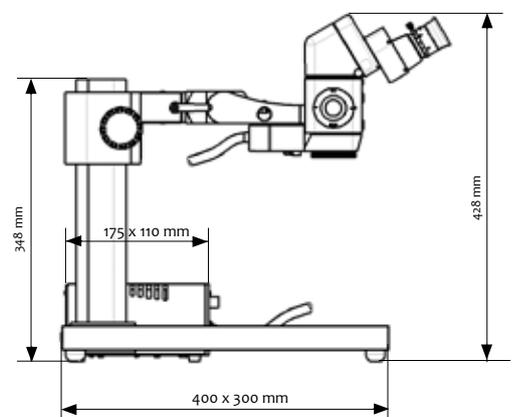
Kaps SLM 1 / SLM 2

| | |
|-----------------|---|
| Configuration | Column stand, stainless Base plate, scratch-free coated Microscope holder with adjustment ring |
| Illumination | LEDone |
| Magnification | 3-step magnification changer, manual as standard, 5-step magnification changer, manual (on request) |
| Objectives | f = 150 mm, f = 200 mm |
| Focusin | manual fine focusing |
| Binocular tubes | Inclined tube f = 159 mm 60° as standard, on request also inclined tube f = 159 mm 45° or wideangle swivel tube f = 182 mm 0 - 210° |
| Ocular | 10x V, 12.5 x V or 20 x V |
| Filter | Green filter (other on request) |

SLM 1



SLM 2





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Karl Kaps is a global medical technology company, offering complete diagnosis and treatment solutions in the medical disciplines of otorhinolaryngology, ophthalmology, microsurgery, endodontics, neurosurgery, spinal surgery, gynecology and in all similar areas.

Modern, innovative surgical and diagnostic microscopes are developed and manufactured at the Asslar and Wetzlar production sites.

We aim to provide our customers with the best possible equipment for the medical care of their patients. This is our contribution to ensuring that correct diagnosis and successful therapy can be initiated.

More information can be found at
www.kaps-optik.de

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