

STEREOMICROSCOPES



KERN Pictograms



360° rotatable microscope head



Monocular Microscope For the inspection with one eye



Binocular Microscope For the inspection with both eyes



Trinocular Microscope For the inspection with both eyes and the additional option for the connection of a camera



Abbe Condenser With high numerical aperture for the concentration and the focusing of light



Halogen illumination For pictures bright and rich in contrast



LED illumination Cold, energy saving and especially long-life illumination



Incident illumination For non-transparent objects



Transmitting illumination For transparent objects



Fluorescence illumination For stereomicroscopes



Fluorescence illumination for compound microscopes With 100 W mercury lamp and filter



Fluorescence illumination for compound microscopes With 3 W LED illumination and filter



Phase contrast unit For a higher contrast



Darkfield condenser/unit For a higher contrast due to indirect illumination



Polarising unit To polarise the light



Infinity system Infinity corrected optical system



Zoom magnification For stereomicroscopes

Abbreviations

C-Mount	Adapter for the connection of a camera to a trinocular microscope
FPS	Frames per second
H(S)WF	High (Super) Wide Field (Eyepiece with high eye point for wearers of glasses)
LWD	Long Working Distance
N.A.	Numerical Aperture



Parallel optical system For stereomicroscopes, enables fatigue-proof working



Integrated scale In the eyepiece



SD card For data storage



USB 2.0 digital camera For direct transmitting of the picture to a PC



USB 3.0 digital camera For direct transmitting of the picture to a PC



WLAN data interface: For transmitting of the picture to a mobile display device



HDMI digital camera For direct transmitting of the picture to a display device



PC software To transfer the measurements from the device to a PC.



Automatic temperature compesation For measurements between 10 °C and 30 °C



Protection against dust and water splashes IPxx The type of protection is shown by the pictogram.



Battery operation Ready for battery operation. The battery type is specified for each device.



Battery operation rechargable Prepared for a rechargable battery operation



Mains adapter 230V/50Hz in standard version for EU. On request GB, AUS or USA version.



Power supply Integrated in balance. 230V/50Hz standard EU. More standards e.g.

GB, AUS or USA on request.



Package shipment

The time required to manufacture the product internally is shown in days in the pictogram.

SLR camera	Single-Lens Reflex camera
SWF	Super Wide Field (Field number at least ϕ 23 mm for 10× eyepiece)
W.D.	Working Distance
WF	Wide Field (Field number up to Ø 22 mm for 10× eyepiece)

Why you should choose a KERN microscope now!

For over 170 years, KERN & SOHN has been synonymous with high precision weighing and measuring technology. This claim is the driving force for the development of our microscope and refractometer ranges.

By working closely with you and our production partners, within 3 years we have developed a complete product range of high-quality microscopes and refractometers.

Thanks to consistent customer focus paired with smart ideas and the latest available technology we are proud to be suppliers of high-quality, durable top microscopes and refractometers, which help you to be as efficient as possible in your daily work.

When developing our microscopes we have concentrated on the very best optical quality and have used only high-quality glass and the latest technologies to achieve this. The high-quality Philips halogen and modern LED illumination produce razor-sharp images with high contrast and which will impress you with their brilliant true-colour display – you must have noticed this yourself.

Your advantages:

- all mechanical parts have been designed for a long service life
- special attention has been given to the ergonomy of our microscopes, as this allows the user to work for several hours in a comfortable position which does not cause fatigue
- our microscopes are fully-equipped and can be used immediately
- Highlight for 2018: die KERN camera software you will be amazed at how user-friendly and intuitive it is
- and much more...

Use our practical "Check list for microscopes and refractometers", which may help you to quickly determine specifications for the future instrument. Together with our KERN product specialist you can choose the right product for you.

If there is no suitable product in the standard range, for example, then we will of course configure an individual microscope for you.

Our aim is to develop a market-driven product solution, so with our microscope and refractometer range, the saying holds true: good quality at a competitive price! This is what we stand for and work towards, every day!

With our current 2018 product range you can benefit from improved quality and a clear reduction in price, which we have been able to achieve through more efficient production methods and increased global sales of our microscopes and refractometers and of course we pass this straight on to you

Do you have any questions about our range of microscopes and refractometers?

Your KERN customer consultants are available at any time to help you further.

I hope that you enjoy working efficiently with our KERN Optics products.

Albert Sauter, Managing Director

Your advantages

fast

- 24 hour dispatch service for products in stock – order today, on its way tomorrow
- Sales & service hotline from 8:00 am to 5:00 pm

reliable

- Up to 3 years warranty
- Certified QM system
 DIN EN ISO 9001

versatile

- One-stop shopping: from microscope through to refractometer – everything from one supplier
- Quick as a flash, find the product you want with the "Quick-Finder" at www.kern-sohn.com



Order hotline +49[0]7433 9933-0



Service hotline +49[0]74339933-199



Online shop www.kern-sohn.com



E-mail order info@kern-sohn.com



Fax Order +49[0]7433 9933-146



Our team of consultants will assist you from Monday to Friday from 8:00 am to 5:00 pm www.kern-sohn.com

Information on current product availability, product data sheets, user instructions, useful knowledge, technical glossary and much for you to download, practical topic areas, which will guide you to the right product in your industry as well as a clever test weight and balance search engine.

Stereo, Stereo-Zoom, Coaxial and Gem microscopes 4







With white stage plate



With black stage plate

EDUCATIONAL LINE

The small robust model for school, training establishment or workshops

Features

04

- The KERN OSE-4 is an extremely robust, stable stereo microscope which is easy to use, it is ideal for all conventional applications in schools, workshops and training companies
- Depending on the model, optional LED reflected illumination as well as transmitted and reflected illumination ensure the very best illumination of your sample
- Despite its low price it has very good optical characteristics, which enable you to have sharp images over a large field of view
- A turnable objective with predefined magnifications is available to make your working procedures quicker and more efficient

- The eyepieces are fixed in the eyepiece tube, to stop them getting damaged or lost
- A special feature of this adaptable and yet robust microscope series is the stable mechanism of the microscope stand which can be adjusted precisely. It will also impress you with its functionality and ergonomic design
- A large selection of eyepieces as well as various additional external illumination units are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- Please find detailed information in the following model outfit list

Scope of application

 Training, in vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control

Applications/Samples

• Samples with focus on three-dimensional impression (depth, thickness), e.g. insects, seeds, circuit boards, components

- Optical system: Greenough optics
- Tube 45° inclined
- Interpupillary distance 55 75 mm
- Diopter adjustment: One-sided
- Overall dimensions W×D×H 230×130×330 mm
- Net weight approx. 2 kg

STANDARD										
00	Ð	Ö	0							
BINO	LED	IL	TL	BATT	230 V	1 DAY				

Model		Standard configuration							
	Tube	Eyepiece	Field of view	Objective	Stand	Illumination	excl. of VAT ex works		
KERN			mm				€		
OSE 416	Binocular	WF 10×/Ø 20 mm	Ø 20	1×/3×	Pillar style	0,21 W LED (incident); 0,21 W LED (transmitted)	255,-		
OSE 417	Binocular	WF 10×/Ø 20 mm	Ø 20	2×/4×	Pillar style	0,21 W LED (incident); 0,21 W LED (transmitted)	255,-		

Stereomicroscope KERN OSE-4

Eyepiece		Specifications – Objectives									
	Magnification	1×	2×	3×	4×						
WE 5.	Total magnification	5×	10×	15×	20×						
WF 5×	Field of view mm	Ø 20	Ø 10	Ø 6,7	Ø 5						
N/E 40.	Total magnification	10×	20×	30×	40×						
WF 10×	Field of view mm	Ø 20	Ø 10	Ø 6,7	Ø 5						
WE 45.	Total magnification	15×	30×	45×	60×						
WF 15×	Field of view mm	Ø 15	Ø 7,5	Ø 5	Ø 3,7						
WE 00	Total magnification	20×	40×	60×	80×						
WF 20×	Field of view mm	Ø 10	Ø 6,5	Ø 4,3	Ø 3,2						
Working distance		57 mm	57 mm	57 mm	57 mm						

Model outfit		Mode	el KERN	Order number	Price/piece excl. of VAT	
	-	OSE 416	OSE 417		ex works €	
	WF 5×/Ø 16,2 mm	00	00	OZB-A4101	35,-	
Eyepieces	WF 10×/ø 20 mm	44	44	OZB-A4102	30,-	
(30,5 mm)	WF 15×/Ø 15 mm	00	00	OZB-A4103	30,-	
	WF 20×/Ø 10 mm	00	00	OZB-A4104	35,-	
	Pillar style, without illumination					
Stand	Pillar style, with 0,21 W LED illumination (incident)					
	Pillar style, with 0,21 W LED illumination (transmission + incident)	✓	*			
	Black-white/Ø 59,5 mm			OZB-A4816	19,-	
Stage plate	Frosted glass/Ø 95 mm	√	✓	OZB-A4805	19,-	
	Black-white/Ø 95 mm	✓	✓	OZB-A4806	19,-	
xternal Please find the information about external illumination units in t		the catalogue on p	bage 83 and on our	website www.kern-sc	ohn.com	

 \checkmark = Included with delivery

O = Option





Stage plate black



Stage plate white

EDUCATIONAL LINE

The practical and robust product for schools, training centres, the workshop and laboratory

Features

- With its integrated handle as well as its stable arm curved stand, the KERN OSF-4G has been specially developed for schools and workshops
- The LED reflected and transmitted illumination included as standard guarantees the very best, continuously dimmable illumination of your sample
- As well as very good optical characteristics, its ergonomic working surface means that it offers the highest level of convenience in this class
- A turnable objective with three predefined magnifications is available to make your working procedures quicker and more effective

- The eyepieces are fixed in the eyepiece tube, to stop them getting damaged or lost
- The ergonomic shape and the stable mechanism which can be adjusted extremely accurately offer a high level of functionality and enable you to work quickly and efficiently with very little effort
- A large selection of eyepieces as well as various additional external illumination units are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- Please find detailed information in the following model outfit list

Scope of application

 Training, in vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control

Applications/Samples

• Samples with focus on three-dimensional impression (depth, thickness), e.g. insects, seeds, circuit boards, components

Technical data

- Optical system: Greenough optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Interpupillary distance 55 75 mm
- Diopter adjustment: One-sided
 Overall dimensions W×D×H 230×180×275 mm
- Net weight approx. 2,5 kg

STANDARD						
00	Ð	ð	Q			
BINO	LED	IL	TL	BATT	230 V	1 DAY

Model		Standard configuration							
	Tube	Eyepiece	Field of view	Objective	Stand	Illumination	excl. of VAT ex works		
KERN			mm				€		
OSF 438	Binocular	WF 10×/Ø 20 mm	Ø 20	1×/2×/3×	Arm curved	1 W LED (incident); 0,35 W LED (transmitted)	325,-		
OSF 439	Binocular	WF 10×/Ø 20 mm	Ø 20	1×/2×/4×	Arm curved	1 W LED (incident); 0,35 W LED (transmitted)	325,-		

STANDARD

Stereomicroscope KERN OSF-4G

Eyepiece		Specifications – Objectives										
	Magnification	1×	2×	3×	4×							
	Total magnification	5×	10×	15×	20×							
WF 5×	Field of view mm	Ø 20	Ø 10	Ø 6,7	Ø 5							
	Total magnification	10×	20×	30×	40×							
WF 10×	Field of view mm	Ø 20	Ø 10	Ø 6,7	Ø 5							
	Total magnification	15×	30×	45×	60×							
WF 15×	Field of view mm	Ø 15	Ø 7,5	Ø 5	Ø 3,7							
W/F 00.	Total magnification	20×	40×	60×	80×							
WF 20×	Field of view mm	Ø 10	Ø 6,5	Ø 4,3	Ø 3,2							
Working distance		57 mm	57 mm	57 mm	57 mm							

Model outfit		Mode	Model KERN		Price/piece excl. of VAT	
		OSF 438	OSF 439		ex works €	
	WF 5×/Ø 16,2 mm	00	00	OZB-A4101	35,-	
Eyepieces	WF 10×/ø 20 mm	√ √	11	OZB-A4102	30,-	
(30,5 mm)	WF 15×/ø 15 mm	00	00	OZB-A4103	30,-	
	WF 20×/Ø 10 mm	00	00	OZB-A4104	35,-	
Stand	Arm curved, incl. handle, with LED illumination (0,35 W transmitted + 1 W incident)	~	*			
.	Frosted glass/Ø 59,5 mm	✓	✓	OZB-A4815	19,-	
Stage plate	Black-white / Ø 59,5 mm	✓	✓	OZB-A4816	19,-	
External Ilumination	Please find the information about external illumination u	nits in the catalogue on p	bage 83 and on our	website www.kern-sc	hn.com	

 \checkmark = Included with delivery

O = Option



04

LAB LINE The affordable and flexible stereo zoom microscope for laboratories, inspection authorities and quality controls

Features

- The products in the KERN OZL-44 series are stereo zoom microscopes, which will impress you with their easy handling, flexibility as well as their stability and economical price
- The LED reflected and transmitted illumination included as standard guarantees the very best illumination of your sample
- As well as excellent optical characteristics and their large working surface, these models offer the highest level of comfort in this class – ideal for training companies, workshops as well as assembly and repair workstations, e.g. in the electronics industry
- The zoom objective gives you continuous magnification of 7,5× – 36×
- The OZL-44 series is available as a binocular version. The eyepieces are fixed in the eyepiece tube, to stop them getting damaged or lost

- The pillar stand offers you the highest level of flexibility and the freedom to remove the microscope head and to integrate it into other modular systems, for example into a universal stand
- A large selection of eyepieces, external illumination units as well as auxiliary objectives are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- Please find detailed information in the following model outfit list

Scope of application

 In vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control

Applications/Samples

• Samples with focus on three-dimesnional impression, zoom with variable magnification (depth, thickness), e.g. insects, seeds, circuit boards, components

- Optical system: Greenough optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Magnification ratio: 4,8:1
- Interpupillary distance 55 75 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 330×235×380 mm
- Net weight approx. 5 kg

STANDARD	STANDARD											
Q	00		D	Ö	Q	Q						
360°	BINO	TRINO	LED	IL	TL	ZOOM	230 V	1 DAY				

Model		Standard configuration								
	Tube	Jbe Eyepiece Field of view Objective Stand Illumination								
KERN			mm	Zoom			ex works €			
OZL 445	Binocular	WF 10×/Ø 20 mm	Ø 26,7 – 5,6	0,75×-3,6×	Pillar style	1 W LED (incident); 0,35 W LED (transmitted)	410,-			

Stereo zoom microscope KERN OZL-44

OZL 445		S	pecifications - Obje	ctives		Specifications – Objectives											
Eyepiece	Magnification	Standard		Auxiliary objectives													
		1,0×	0,5×	0,75×	5× 1,5×												
WF 5×	Total magnification	3,75× - 18×	1,875×-9×	2,81×-13,5×	5,625×-27×	7,5×-36×											
WF 3^	Field of view mm	Ø 26-6	Ø 60 – 13	Ø 32 – 7	Ø 16-4	Ø 12,5-3											
	Total magnification	7,5×-36×	3,75× - 18×	5,625×-27×	11,25×-54×	15×-72×											
WF 10×	Field of view mm	Ø 26,7 – 5,6	Ø 53,3 – 11,1	Ø 35,5 – 7,4	Ø 17,8-3,7	Ø13,3-2,8											
	Total magnification	11,25×-54×	5,625×-27×	8,44×-40,5×	16,875×-81×	22,5×-108×											
WF 15×	Field of view mm	Ø 19-4,5	ø 43 – 9,5	Ø 24 – 5,5	Ø 12 – 3	Ø 9,5 – 2											
	Total magnification	15×-72×	7,5×-36×	56,25×-54×	22,5× - 108×	30×-144×											
WF 20×	Field of view mm	Ø 12,5-3	Ø 28-6	Ø 16-3,5	Ø 8 – 2	Ø 6 – 1,5											
Working distance		86 mm	178 mm	96 mm	42,5 mm	25,5 mm											
Maximum samp	ble height	100 mm	10 mm	60 mm	120 mm	135 mm											

	Model KERN	Order number	Price/piece excl. of VAT ex works €	
	OZL 445			
WF 5×/Ø 16,2 mm	00	OZB-A4101	35,-	
WF 10×/Ø 22 mm		OZB-A4105	35,-	
WF 10×/Ø 20 mm		OZB-A4102	35,-	
WF 15×/Ø 15 mm	00	OZB-A4103	30,-	
WF 20×/Ø 10 mm	00	OZB-A4104	30,-	
0,5×	0	OZB-A4201	75,-	
0,75×	0	OZB-A4202	75,-	
1,5×	0	OZB-A4204	75,-	
2,0×	0	OZB-A4205	80,-	
Soldering protection lens	0	OZB-A4251	19,-	
Pillar style, with LED illumination (0,35 W transmitted + 1 W incident)	✓			
Frosted glass/Ø 95 mm	✓	OZB-A4805	19,-	
Black-white/Ø 95 mm	✓	OZB-A4806	19,-	
	WF $10 \times / \emptyset$ 22 mm WF $10 \times / \emptyset$ 20 mm WF $15 \times / \emptyset$ 15 mm WF $20 \times / \emptyset$ 10 mm $0,5 \times$ $0,75 \times$ $1,5 \times$ $2,0 \times$ Soldering protection lens Pillar style, with LED illumination (0,35 W transmitted + 1 W incident) Frosted glass / \emptyset 95 mm	NUMBRA Notest WF 5×/Ø 16,2 mm 00 WF 10×/Ø 22 mm 00 WF 10×/Ø 20 mm ✓✓ WF 10×/Ø 20 mm 00 WF 15×/Ø 15 mm 00 WF 20×/Ø 10 mm 00 0,5× 0 0,75× 0 1,5× 0 2,0× 0 Soldering protection lens 0 Pillar style, with LED illumination (0,35 W transmitted + 1 W incident) ✓ Frosted glass/Ø 95 mm ✓	Interfact (Mathematical Stress) Interfact (Mathematical Stress) WF 5×/\$\$16,2 mm 00 0ZB-A4101 WF 10×/\$\$20 mm 0ZB-A4105 0ZB-A4105 WF 10×/\$\$20 mm 0.0 0ZB-A4102 WF 10×/\$\$20 mm 0.0 0ZB-A4102 WF 15×/\$\$15 mm 0.0 0ZB-A4103 WF 20×/\$\$10 mm 0.0 0ZB-A4104 0,5× 0.0 0ZB-A4201 0,5× 0.0 0ZB-A4202 1,5× 0.0 0ZB-A4204 1,5× 0.0 0ZB-A4204 2,0× 0.0 0ZB-A4204 2,0× 0.0 0ZB-A4204 Soldering protection lens 0.0 0ZB-A4251 Pillar style, with LED illumination (0,35 W transmitted + 1 W incident) Image: Color Co	

 \checkmark = Included with delivery

O = Option







OZL 467 With handle

NEW

OZL 464 With standard stand

OZL 465 With ring illumination

LAB LINE

04

The flexible, affordable all-rounder with zoom function for schools, training companies, inspection authorities and laboratories

Features

- The products in the KERN OZL-46 series are stereo zoom microscopes, which will impress you with their quality, easy handling, flexibility as well as their stability and economical price
- The LED reflected and transmitted illumination included as standard guarantees the very best illumination of your sample
- The highlight of the OZL 465/OZL 466 is the strong, continuously dimmable, integrated LED ring illumination in the objective housing, which ensures uniform, shadow-free illumination. An LED transmitted light variant is also included
- As well as excellent optical characteristics and their large working surface, these models offer the highest level of comfort in this class – ideal for training companies, workshops as well as assembly and repair workstations, e.g. in the electronics industry
- The zoom objective offers you continuous magnification from 7×-45×

- The KERN OZL-46 series is available as a binocular or trinocular version
- The pillar stand offers you the highest level of flexibility and the freedom to remove the microscope head and to integrate it into other modular systems, for example into a universal stand
- With its integrated handle as well as its stable arm curved stand, the KERN OZL 467/ OZL 468 has been specially developed for schools and workshops
- A large selection of eyepieces, external illumination units as well as auxiliary objectives are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

• In vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control

Applications/Samples

• Samples with focus on three-dimesnional impression, zoom with variable magnification (depth, thickness), e.g. insects, seeds, circuit boards, components

Technical data

- Optical system: Greenough optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Magnification ratio: 6,4:1
- Light distribution 50:50
- Interpupillary distance 55 75 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 300×240×420 mm
- Net weight approx. 4 kg

STANDARI	STANDARD											
Ö	00		Ð	Ö	Q	Q						
360°	BINO	TRINO	LED	IL	TL	ZOOM	230 V	1 DAY				

Model				Standard co	onfiguration		Price
	Tube	Eyepiece	Field of view	Objective	Stand	Illumination	excl. of VAT ex works
KERN			mm	Zoom			€
OZL 463	Binocular	HWF 10×/Ø 20 mm	Ø 28,6 – 4,4	0,7×-4,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	500,- 🕚
OZL 464	Trinocular	HWF 10×/Ø 20 mm	Ø 28,6 – 4,4	0,7×-4,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	570,- 🔮
OZL 465 🔤	Binocular	HWF 10×/Ø 20 mm	Ø 28,6-4,4	0,7×-4,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	550,-
OZL 466 🔤	Trinocular	HWF 10×/Ø 20 mm	Ø 28,6-4,4	0,7×-4,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	620,-
OZL 467 🔤	Binocular	cular HWF 10×/Ø 20 mm Ø 28,6-4,4		0,7×-4,5×	Arm curved 3 W L	3 W LED (incident); 3 W LED (transmitted)	510,-
OZL 468 🔤	Trinocular	HWF 10×/Ø 20 mm	Ø 28,6-4,4	0,7×-4,5×	Arm curved	3 W LED (incident); 3 W LED (transmitted)	580,-

Wew model

Price reduction

Stereo zoom microscope KERN OZL-46

Eyepiece		Spec	ifications - Objective	es		
	Magnification	Standard		Auxiliar	y objectives	
		1,0×	0,5×	0,75×	1,5×	2,0×
HSWF 10×	Total magnification	7×-45×	3,5×-22,5×	5,3×-33,8×	10,5×-67,5×	14×-90×
HSWF 10^	Field of view mm	Ø 28,6-4,4	Ø 57,1-8,9	Ø 38,1-5,9	Ø 19-3	Ø 14,3-2,2
	Total magnification	10,5×-67,5×	5,3×-33,8×	7,9×-50,6×	15,5× - 101,3×	21×-135×
HWF 15×	Field of view mm	Ø 21,4 - 3,3	Ø 42,9 – 6,7	Ø 28,5 – 4,4	Ø 14,3-2,2	ø 10,7 – 1,7
HSWF 20×	Total magnification	14×-90×	7×-45×	10,5×-67,5×	21×-135×	28×-180×
HSWF 20×	Field of view mm	Ø 14,3 – 2,2	Ø 28,6 – 4,4	Ø 19,1-2,9	Ø 9,5 – 1,5	ø 7,1 - 1,1
	Total magnification	17,5× - 122,5×	8,8×-56,3×	13,1×-91,9×	26,3× - 168,8×	35×-225×
HWF 25×	Field of view mm	Ø 12,9 – 2,0	Ø 25,7 – 4,0	Ø 17,2 – 2,7	Ø 8,6 – 1,3	Ø 6,4 - 1,0
Working distance	e	105 mm	177 mm	120 mm	47 mm	26 mm
Maximum sample height		140 mm	35 mm	35 mm 80 mm		185 mm

Model outfit				Model	KERN			Order number	Price/piece excl. of VAT ex works €	
		OZL 463	OZL 464	OZL 465	OZL 466	OZL 467	OZL 468			
	HWF 10×/Ø 20 mm	~~	~	11	11	~	**	OZB-A4631	40,-	
Eyepieces	HSWF 15×/Ø 15 mm	00	00	00	00	00	00	OZB-A4632	50,-	
(30,0 mm)	HWF 20×/Ø 10 mm	00	00	00	00	00	00	OZB-A4633	50,-	
	HSWF 25×/Ø 9 mm	00	00	00	00	00	00	OZB-A4634	55,-	
	0,5×	0	0	0	0	0	0	OZB-A4641	80,-	
A	0,75×		0	0	0	0	0	OZB-A4644	80,-	
Auxiliary objectives	1,5×	0	0	0	0	0	0	OZB-A4642	80,-	
	2,0×	0	0	0	0	0	0	OZB-A4643	80,-	
	1× (focus adjustable)		✓		✓		✓	OZB-A4809	50,-	
C-Mount	0,3× (focus adjustable)		0		0		0	OZB-A4810	85,-	
	0,5× (focus adjustable)		0		0		0	OZB-A4811	95,-	
	Pillar style, with 3 W-LED illumination (transmitted + incident)	~	~							
Stand	Pillar style, with 3 W-LED illumination (transmitted)			~	~					
	Arm curved, incl. handle, with 3 W-LED illumination (transmitted + incident)					~	~			
Ring illumination	Integrated into the microscope head as incident illumination			~	~					
Stage plate	Frosted glass/Ø 95 mm	~	~	1	1	1	✓	OZB-A4805	19,-	
Stage plate	Black-white / Ø 95 mm	~	✓	1	1	1	✓	OZB-A4806	19,-	
External illumination	Please find the information about external illumination units in	n the ca	italogu	e on pa	age 83	and or	n our w	ebsite www.kern-so	hn.com	

 \checkmark = Included with delivery

O = Option



LAB LINE

Stereo zoom microscope with or without halogen illumination, for the laboratory, training centres, quality control or agriculture

Features

- The KERN OZL-45 stereo zoom microscope series will impress you with its excellent optical characteristics, easy operation and high level of ergonomic working comfort
- The Halogen incident and transmitted illumination included as standard guarantees the very best illumination of your sample
- The high-quality optics, together with a large working surface offers the highest level of comfort for your applications
- The zoom objective offers you continuous magnification from 7,5×-50×
- The KERN OZL-45 series is available as a binocular version
- The pillar stand offers you the highest level of flexibility and the freedom to remove the microscope head and to integrate it into other modular systems, for example into a universal stand

- A large selection of eyepieces, external illumination units as well as auxiliary objectives are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- Please find detailed information in the following model outfit list

Scope of application

• In vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control

Applications/Samples

• Samples with focus on three-dimesnional impression, zoom with variable magnification (depth, thickness), e.g. insects, seeds, circuit boards, components

- Optical system: Greenough optics
- Brightness adjustable
- Tube 45° inclined
- Magnification ratio: 6,7:1
- Interpupillary distance 55 75 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H
 330×270×460 mm
- Net weight approx. 5 kg

STANDAR	STANDARD											
Q	00	Ð	ð	Q	Q							
360°	BINO	HAL	IL	TL	ZOOM	230 V	1 DAY					

Model				Standard co	onfiguration		Price
	Tube	Eyepiece	Field of view	Objective	Stand	Illumination	excl. of VAT ex works
KERN			mm	Zoom			€
OZL 451	Binocular	HSWF 10×/Ø 23 mm	Ø 33 – 5	0,75×-5,0×	Pillar style	12 V/10 W Halogen (incident) 12 V/10 W Halogen (transmitted)	610,-

Stereo zoom microscope KERN OZL-45

Eyepiece		Spec	ifications - Objectives		
	Magnification	Standard		Auxiliary objective	es
		1,0×	0,5×	0,75×	2,0×
HWF 5×	Total magnification	3,75×-25×	1,875× – 12,5×	2,813×-18,75×	7,5×-50×
	Field of view mm	Ø 31-4,6	Ø 61,3-9,2	Ø 41,3-6,1	Ø 16-2,5
	Total magnification	7,5×-50×	3,75×-25×	5,625×-37,5×	15×-100×
HSWF 10×	Field of view mm	Ø 33 – 5	Ø 65 – 10	Ø 44 – 6,7	Ø 16-2,5
HWF 15×	Total magnification	11,25×-75×	5,625×-37,5×	8,438×-56,25×	22,5× – 150×
HWF 19×	Field of view mm	Ø 24 – 4,2	Ø 48 – 8,5	Ø 32-5,6	Ø 12-2
	Total magnification	15×-100×	7,5×-50×	11,25×-75×	30×-200×
HSWF 20×	Field of view mm	Ø 20 – 3,5	Ø 40 – 7	Ø 26,7 – 4,7	Ø 10-1,8
	Total magnification	18,75× – 125×	9,375×-62,5×	14,063×-93,75×	37,5×-255×
HWF 25×	Field of view mm	Ø 15,8-2,4	Ø 31,5-4,8	Ø 24,1-3,2	Ø 7,9 – 1,2
Working distance	Working distance		177 mm	117 mm	35 mm
Maximum sampl	e height	120 mm	60 mm	90 mm	165 mm

Model outfit		Model KERN	Order number	Price/piece excl. of VAT	
		OZL 451		ex works €	
	HWF 5×/Ø 23,2 mm	00	OZB-A4112	40,-	
	HSWF 10×/Ø 23 mm	44	OZB-A4118	40,-	
Eyepieces (30,0 mm)	HWF 15×/Ø 15 mm	00	OZB-A4119	40,-	
	HSWF 20×/Ø 14,5 mm	00	OZB-A4120	60,-	
	HWF 25×/Ø 11,7 mm	00	OZB-A4121	60,-	
	0,5×	0	OZB-A4209	120,-	
Auxiliary objectives	0,75×	0	OZB-A4210	120,-	
	2,0×	0	OZB-A4206	115,-	
Stand	Pillar style, with 12 V/10 W Halogen Illumination (transmitted + incident)	✓			
0	Frosted glass/Ø 95 mm	✓	OZB-A4805	19,-	
Stage plate	Black-white/Ø 95 mm	✓	OZB-A4806	19,-	
Illumination	12 V/10 W spare bulb (transmitted + incident)	*	OZB-A4804	19,-	
Mechanical stage (Pre-assembling on request)	Stage size W×D 180×155 mm, Travel 75×55 mm, for transmitted and incident illumination	0	OZB-A4605	235,-	
External illumination	Please find the information about external illumination units in	the catalogue on page 83 and on	our website www.kern-sc	hn.com	

 \checkmark = Included with delivery

O = Option





LAB LINE

The practical and flexible stereo zoom microscope with integrated LED ring illumination and large zoom range

Features

- The KERN OZL-456 stereo zoom microscope series will impress you with its excellent optical characteristics, easy operation and its integrated LED ring illumination unit
- The highlight of the KERN OZL-456 is the strong, continuoulsy dimmable, integrated LED ring illumination in the objective housing, which ensures uniform, shadow-free illumination. An LED transmitted light variant is also included
- With its built-in, top-quality optics and powerful, integrated LED illumination unit, this model is a special all-rounder for all areas of application
- The zoom objective offers you continuous magnification from 7,5× 50×

- As standard, the KERN OZL-45R series is provided as a binocular version with 10× eyepieces with a field of view with a diameter of 23 mm
- The arm curved stand gives you a large working area as well as a precise adjustment mechanism
- A large selection of eyepieces as well as auxiliary objectives are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- Please find detailed information in the following model outfit list

Scope of application

 In vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control

Applications/Samples

• Samples with focus on three-dimesnional impression, zoom with variable magnification (depth, thickness), e.g. insects, seeds, circuit boards, components

- Optical system: Greenough optics
- Incident illumination dimmable
- Tube 45° inclined
- Magnification ratio: 6,7:1
- Interpupillary distance 55 75 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 320×275×420 mm
- Net weight approx. 4,5 kg

STANDAR	STANDARD												
Q	00	Ð	8	Q	Q								
360°	BINO	LED	IL	TL	ZOOM	230 V	1 DAY						

Model		Standard configuration									
	Tube	Eyepiece	Field of view	Objective	Stand	Illumination	excl. of VAT ex works				
KERN			mm	Zoom			€				
OZL 456	Binocular	HSWF 10×/Ø 23 mm	Ø 33-5	0,75×-5,0×	Arm curved	1 W LED (incident); 0,21 W LED (transmitted)	690,-				

Stereo zoom microscope KERN OZL-45R

Eyepiece		Specifica	ations – Objectives
	Magnification	Standard	Auxiliary objectives
		1,0×	2,0×
HWF 5×	Total magnification	3,75×-25×	7,5×-50×
11WI 3^	Field of view mm	Ø 31-4,6	Ø 16-2,5
HSWF 10×	Total magnification	7,5×-50×	15× – 100×
	Field of view mm	Ø 33 – 5	Ø 16-2,5
HWF 15×	Total magnification	11,25×-75×	22,5× – 150×
HWF 13^	Field of view mm	Ø 24-4,2	Ø 12-2
HSWF 20×	Total magnification	15× – 100×	30×-200×
HSWF 20^	Field of view mm	Ø 20-3,5	Ø 10-1,8
HWF 25×	Total magnification	18,75× - 125×	37,5× – 255×
HWF 23*	Field of view mm	Ø 15,8-2,4	Ø 7,9 - 1,2
Working distance		113 mm	35 mm
Maximum sample he	eight	45 mm	95 mm

Model outfit		Model KERN	Order number	Price/piece excl. of VAT	
		OZL 456		ex works €	
	HWF 5×/Ø 23,2 mm	00	OZB-A4112	40,-	
Eyepieces (30,0 mm)	HSWF 10×/Ø 23 mm	√√	OZB-A4118	40,-	
	HWF 15×/ø 15 mm	00	OZB-A4119	40,-	
(00)0)	HSWF 20×/Ø 14,5 mm	00	OZB-A4120	60,-	
	HWF 25×/Ø 11,7 mm	00	OZB-A4121	60,-	
Auxiliary objectives	2,0×	0	OZB-A4206	115,-	
Stand	Arm curved, with LED illumination (0,21 W transmitted + 1 W incident)	~			
0	Frosted glass/Ø 95 mm	✓	OZB-A4805	19,-	
Stage plate	Black-white/Ø 95 mm	✓	OZB-A4806	19,-	
Mechanical stage (Pre-assembling on request)	Stage size W×D 180×155 mm, Travel 75×55 mm, for transmitted and incident illumination	0	OZB-A4605	235,-	
External illumination	Please find the information about external illumination units	in the catalogue on page 83 and on a	bur website www.kern-sc	hn.com	

 \checkmark = Included with delivery

O = Option

04

www.kern-sohn.com · Order hotline +49[0]7433 9933-0



)4

LAB LINE First-class optics and strong illumination combined with a high level of flexibility

Features

- The KERN OZM series is a range of excellent stereo zoom microscopes with above-average optical features
- The ergonomic shape allows a simple, effortless working over a period of several hours
- The extraordinarily strong and continuously dimmable 3 W LED reflected and transmitted illumination ensures a flexible and particularly good level of illumination for your sample
- With its large working distance, an extra large field of view and its brilliant resolution, the KERN OZM provides sharp, high-contrast, colour-true images
- The zoom objective gives you continuous magnification from 7,5×-45×
- There is a choice of a binocular model as well as a trinocular model for connecting a camera for documentation purposes and for quality reports

- The pillar stand is particularly flexible due to its variable and sturdy adjustment mechanism and therefore enables ergonomic working procedures
- A large selection of eyepieces, (universal) stands, a darkfield kit, external illumination units as well as auxiliary objectives and more are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

 In vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control, electronics and semiconductor industry, assembly and repair

Applications/Samples

 Samples with focus on three-dimesnional impression, zoom with variable magnification (depth, thickness), e.g. insects, seeds, circuit boards, components

- Optical system: Greenough optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Magnification ratio: 6,4:1
- Light distribution OZM 543/544: 50:50
- Interpupillary distance 52 76 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H
 330×285×440 mm
- Net weight approx. 4,5 kg

STANDARD									
Q	00		Ð	ð	Q	Q			huun
360°	BINO	TRINO	LED	IL	TL	ZOOM	230 V	1 DAY	SCALE

Model				Standard co	onfiguration		Price
	Tube	Eyepiece	Field of view	Objective	Stand	Illumination	excl. of VAT ex works
KERN			mm	Zoom			€
OZM 542	Binocular	HSWF 10×/Ø 23 mm	Ø 32,8 – 5,1	0,7×-4,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	1070,-
OZM 544	Trinocular	HSWF 10×/Ø 23 mm	Ø 32,8 – 5,1	0,7×-4,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	1350,-

Stereo zoom microscope KERN OZM-5

Eyepiece		SI	pecifications - Objec	ctives				
	Magnification	Standard	Auxiliary objectives					
		1,0×	0,5×	0,7×	1,5×	2×		
HSWF 10×	Total magnification	7×-45×	3,5×-22,5×	4,9×-31,5×	10,5×-67,5×	14×-90×		
HSWF 10×	Field of view mm	Ø 32,8 – 5,1	Ø 65,7 – 10,2	Ø 46,9 – 7,3	Ø 21,9-3,4	Ø 16,4-2,6		
0.45.	Total magnification	10,5×-67,5×	5,3×-33,8×	7,4×-47,2×	15,8×-101,3×	21×-135×		
SWF 15×	Field of view mm	Ø 24,3 – 3,8	Ø 48,6 – 7,6	Ø 34,7 – 5,4	Ø 16,2-2,5	Ø 12,1 - 1,9		
SWE 20 v	Total magnification	14×-90×	7×-45×	9,8×-63×	21×-135×	28×-180×		
SWF 20×	Field of view mm	Ø 20 – 3, 1	Ø 40-6,2	Ø 28,6 - 4,4	Ø 13,3-2,1	Ø 10-1,6		
0.4/5 0.0.4	Total magnification	21×-135×	10,5×-67,5×	14,7×-94,5×	31,5×-202,5×	42×-270×		
SWF 30×	Field of view mm	Ø 12,9-2	Ø 25,7 – 4	Ø 18,4 – 2,9	Ø 8,6 – 1,6	Ø 6,4 – 1		
Working distance		110 mm	195 mm	145 mm	50 mm	35 mm		
Maximum samp	le height	130 mm	30 mm	65 mm	160 mm	175 mm		

Model outfit		Mode	el KERN	Order number	Price/piece excl. of VAT					
	-	OZM 542	OZM 544		ex works €					
	HSWF 10×/Ø 23 mm	~	44	OZB-A5503	60,-					
	SWF 15×/ø 17 mm	00	00	OZB-A5504	60,-					
	SWF 20×/Ø 14 mm	00	00	OZB-A5505	70,-					
Eyepieces (30,0 mm)	SWF 30×/Ø 9 mm	00	00	OZB-A5506	85,-					
(00)0)	HSWF 10×/Ø 23 mm (reticule 0,1 mm)	0	0	OZB-A5512	95,-					
	SWF 15×/Ø 17 mm (reticule 0,05 mm)	0	0	OZB-A5513	110,-					
	SWF 20×/Ø 14 mm (reticule 0,05 mm)	0	0	OZB-A5514	110,-					
	0,5×	0	0	OZB-A5612	120,-					
	0,7×	0	0	OZB-A5613	120,-					
Achromatic auxiliary objectives	1,5×	0	0	OZB-A5615	120,-					
	2,0×	0	0	OZB-A5616	120,-					
	Soldering protection lens	0	0	OZB-A5614	45,-					
	0,3× (focus adjustable)		0	OZB-A5701	120,-					
	0,5× (focus adjustable)		0	OZB-A5702	120,-					
	1,0× (focus adjustable)		0	OZB-A5703	95,-					
C-Mount	1,0× (with micrometer) only in combination with OZB-A5703		0	OZB-A5704	255,-					
	for SLR cameras (Nikon)		0	OZB-A5706	255,-					
	for SLR cameras (Olympus)		0	OZB-A5707	255,-					
	for SLR cameras (Canon)		0	OZB-A5708	255,-					
Darkfield unit	Darkfield unit	0	0	OZB-A4601	70,-					
Object clamp	Object clamp	0	0	OBB-A6205	35,-					
	Pillar style, without illumination									
Stand	Pillar style, with 3 W LED illumination (transmitted + incident)	✓	*							
	Please find more stands in the catalogue on page 79 and on our website www.kern-sohn.com									
	Frosted glass/Ø 94,5 mm	✓	✓	OZB-A5192	19,-					
Stage plate	Black-white/Ø 94,5 mm	✓	✓	OZB-A5191	19,-					
	Glass/Ø 94,5 mm	0	0	OZB-A5190	19,-					
Mechanical stage (Pre-assembling on	Stage size W×D 188×160 mm, Travel 76×65 mm, for transmitted and incident illumination	0	0	OZB-A5781	175,-					
request)	Stage size W×D 180×175 mm, Travel 100×86 mm, for incident illumination only	0	0	OZB-A5782	240,-					
External illumination	Please find the information about external illumination units in	the catalogue on	page 83 and on ou		hn.com					

 \checkmark = Included with delivery





Trinocular version

LAB LINE

Professional and powerful – thanks to its extremely large magnification range, strong illumination and first-class optics

Features

- The KERN OZP stereo zoom microscope stands out through its above-average magnification range and its robust shape which is also ergonomic, it enables effortless, simple working over a period of several hours
- The KERN OZP series is available as a strong, continuously adjustable 3 W LED reflected and transmitted light variant for the very best illumination of your sample or as a variant without illumination
- With its large working distance, an extra large field of view and brilliant resolution, the KERN OZP provides sharp, high-contrast and colour-true images
- The extremely large, continuously adjustable magnification range from 6 to 55 times magnification means that you can work quickly and effectively
- There is a choice of a binocular model as well as a trinocular model for connecting a camera for documentation purposes and for quality reports

- The pillar stand is particularly flexible due to its variable and sturdy adjustment mechanism and therefore enables ergonomic working procedures
- A large selection of eyepieces, (universal) stands, a darkfield kit, external illumination units as well as auxiliary objectives and more are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

 Zoology and botany, quality control, electronics and semiconductor industry, assembly and repair

Applications/Samples

• Samples with focus on three-dimesnional impression, zoom with variable magnification (depth, thickness), e.g. insects, seeds, circuit boards, components

- Optical system: Greenough optics
- Brightness adjustable (separate)
- Tube: 35° inclined
- Magnification ratio: 9,2:1
- Light distribution OZP 557/558: 50:50
- Interpupillary distance 52 76 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 330×285×470 mm
- Net weight approx. 4,5 kg

STANDARD									
Q	00		Ð	ð	Q	Q			LUULU
360°	BINO	TRINO	LED	IL	TL	ZOOM	230 V	1 DAY	SCALE

Model				Standard co	onfiguration		Price
	Tube	Eyepiece	Field of view	Objective	Stand	Illumination	excl. of VAT ex works
KERN			mm	Zoom			€
OZP 556	Binocular	HSWF 10×/Ø 23 mm	Ø 38,3-4,2	0,6×-5,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	1230,-
OZP 558	Trinocular	HSWF 10×/Ø 23 mm	Ø 38,3-4,2	0,6×-5,5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	1530,-

Stereo zoom microscope KERN OZP-5

Eyepiece		S	pecifications - Objec	ctives			
	Magnification	Standard		Auxiliar	y objectives		
		1,0×	0,5×	0,7×	1,5×	2×	
HSWF 10×	Total magnification	6×-55×	3×-27,5×	4,2×-38,5×	9×-82,5×	12×-110×	
HSWF 10^	Field of view mm	Ø 38,3-4,2	Ø 76,7-8,4	Ø 54,8-6	Ø 25,6 – 2,8	Ø 19,2 – 2,1	
SWF 15×	Total magnification	9×-82,5×	4,5×-41,25×	6,3×-57,75×	13,5× - 123,75×	18×-165×	
	Field of view mm	Ø 28,3 – 3,1	Ø 56,7 – 6,2	Ø 40,5-4,4	Ø 18,9 – 2,1	Ø 14,2 – 1,5	
	Total magnification	12×-110×	6×-55×	8,4×-77×	18×-165×	24×-220×	
SWF 20×	Field of view mm	Ø 23,3 – 2,5	Ø 46,7 – 5,1	Ø 33,3-3,6	Ø 15,6 – 1,7	Ø 11,7 - 1,3	
014/5-00	Total magnification	18× – 165×	9×-82,5×	12,6×-115,5×	27×-247,5×	36×-330×	
SWF 30×	Field of view mm	Ø 15 – 1,6	Ø 30-3,3	Ø 21,4-2,3	Ø 10 – 1,1	Ø 7,5 – 0,8	
Working distance		108 mm	195 mm	145 mm	50 mm	35 mm	
Maximum samp	le height	110 mm	10 mm	45 mm	140 mm	150 mm	

Model outfit		Mode	el KERN	Order number	Price/piece excl. of VAT					
	-	OZP 556	OZP 558		ex works €					
	HSWF 10×/Ø 23 mm	44	44	OZB-A5503	60,-					
	SWF 15×/ø 17 mm	00	00	OZB-A5504	60,-					
	SWF 20×/ø 14 mm	00	00	OZB-A5505	70,-					
Eyepieces (30,0 mm)	SWF 30×/ø 9 mm	00	00	OZB-A5506	85,-					
(00)0)	HSWF 10×/Ø 23 mm (reticule 0,1 mm)	0	0	OZB-A5512	95,-					
	SWF 15×/Ø 17 mm (reticule 0,05 mm)	0	0	OZB-A5513	110,-					
	SWF 20×/Ø 14 mm (reticule 0,05 mm)	0	0	OZB-A5514	110,-					
	0,5×	0	0	OZB-A5612	120,-					
	0,7×	0	0	OZB-A5613	120,-					
Achromatic auxiliary objectives	1,5×	0	0	OZB-A5615	120,-					
auxiliary objectives	2,0×	0	0	OZB-A5616	120,-					
	Soldering protection lens	0	0	OZB-A5614	45,-					
	0,3× (focus adjustable)		0	OZB-A5701	120,-					
	0,5× (focus adjustable)		0	OZB-A5702	120,-					
	1,0× (focus adjustable)		0	OZB-A5703	95,-					
C-Mount	1,0× (with micrometer) only in combination with OZB-A5703		0	OZB-A5704	255,-					
	for SLR cameras (Nikon)		0	OZB-A5706	255,-					
	for SLR cameras (Olympus)		0	OZB-A5707	255,-					
	for SLR cameras (Canon)		0	OZB-A5708	255,-					
Darkfield unit	Darkfield unit	0	0	OZB-A4601	70,-					
Object clamp	Object clamp	0	0	OBB-A6205	35,-					
	Pillar style, without illumination									
Stand	Pillar style, with 3 W LED illumination (transmitted + incident)	✓	*							
	Please find more stands in the catalogue on page 79 and on our website www.kern-sohn.com									
	Frosted glass/Ø 94,5 mm		✓	OZB-A5192	19,-					
Stage plate	Black-white/Ø 94,5 mm	✓	✓	OZB-A5191	19,-					
	Glass/Ø 94,5 mm		0	OZB-A5190	19,-					
Mechanical stage	Stage size W×D 188×160 mm, Travel 76×65 mm, for incident and transmitted illumination	0	0	OZB-A5781	175,-					
(Pre-assembling on request)	Stage size W×D 180×175 mm, Travel 100×86 mm, for incident illumination only	0	0	OZB-A5782	240,-					
External illumination	Please find the information about external illumination units in	the catalogue on p	bage 83 and on ou		hn.com					

Stereo zoom microscope KERN OZR-5





OZR 563 Without illumination

PROFESSIONAL LINE

Professional stereo zoom microscope with parallel optics for excellent images, depth of field, contrast and fatigue-free working

Features

- The KERN OZR series is a special, high-quality stereo zoom microscope with parallel optics for demanding analyses
- The KERN OZR series is available as a strong, continuously adjustable 3 W LED reflected and transmitted light variant for the very best illumination of your sample or as a variant without illumination
- The parallel optical system is a high-quality optical system and provides excellent images with the best contrast, colour and depth of field with fatigue-free working. Refocusing is also only necessary in very few cases when magnifying the zoom
- The continuously adjustable magnification range from 8 to 50 times magnification means that you can work quickly and effectively
- As standard, the models of the KERN OZR series are trinocular and are therefore equipped for connecting a camera for documentation purposes and for quality reports

- The pillar stand is particularly flexible due to its variable and sturdy adjustment mechanism and therefore enables ergonomic working procedures
- A large selection of eyepieces, (universal) stands, a darkfield kit, external illumination units as well as auxiliary objectives and more are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

 In vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control, electronics and semiconductor industry, assembly and repair

Applications/Samples

 Samples with focus on three-dimesnional impression, zoom with variable magnification (depth, thickness), e.g. insects, seeds, circuit boards, components

Technical data

- Optical system: Parallel optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Magnification ratio: 6,25:1
- Light distribution 50:50
- Interpupillary distance 52 76 mm
- Diopter adjustment: Both-sided
 Overall dimensions W×D×H 305×300×540 mm
- Net weight approx. 5,5 kg

STANDAR	D								OPTIC
Q		Ð	Ö	Q	Q	П			Lun
360°	TRINO	LED	IL	TL	ZOOM	PARALLEL	230 V	1 DAY	SCA

Model				Standard c	onfiguration		Price
	Tube	Eyepiece	Field of view	Objective	Stand	Illumination	excl. of VAT ex works
KERN			mm	Zoom			€
OZR 563	Trinocular	HWF 10×/Ø 22 mm	Ø 27,5-4,4	0,8×-5×	Pillar style	-	1550,- 🖖
OZR 564	Trinocular	HWF 10×/Ø 22 mm	Ø 27,5-4,4	0,8×-5×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	1750,- 🖖

ONLY WHILE STOCKS LAST
62
Stereomicroscopes

Price reduction

Stereo zoom microscope KERN OZR-5

Eyepiece		Speci	fications - Objectives				
	Magnification	Standard Plan		Achromatic objectives			
		1,0×	0,5×	0,7×	1,5× (Auxiliary)		
HWF 10×	Total magnification	8×-50×	4×-25×	5,6×-35×	12×-75×		
	Field of view mm	Ø 27,5 – 4,4	Ø 55-8,8	Ø 39,3-6,3	Ø 18,33–2,93		
SWF 15×	Total magnification	12×-75×	6×-37,5×	8,4×-5,5×	18×-112,5×		
	Field of view mm	Ø 21,25 – 3,4	Ø 42,5-6,8	Ø 30,36 – 4,86	Ø 14,17 – 2,27		
CWE 20 -	Total magnification	16× – 100×	8×-50×	11,2×-70×	24×-150×		
SWF 20×	Field of view mm	Ø 17,5-2,8	Ø 35 – 5,6	Ø 25 – 4	Ø 11,67 – 1,87		
01/5 0.0.1	Total magnification	24× – 150×	12×-75×	16,8× - 105×	36×-225×		
SWF 30×	Field of view mm	Ø 11,25 – 1,8	Ø 22,5 – 3,6	Ø 16,1 – 2,57	Ø 7,5 – 1,2		
Working distance		91 mm	186 mm	135 mm	40 mm		
Maximum sample height		100 mm	30 mm	80 mm	125 mm		

Model outfit		Mode	I KERN	Order number	Price/piece excl. of VAT	
		OZR 563	OZR 564	_	ex works €	
	HWF 10×/Ø 22 mm		44	OZB-A5502	60,-	
	SWF 15×/Ø 17 mm	00	00	OZB-A5504	60,-	
	SWF 20×/Ø 14 mm	00	00	OZB-A5505	70,-	
Eyepieces (30,0 mm)	SWF 30×/Ø 9 mm	00	00	OZB-A5506	85,-	
	HWF 10×/Ø 22 mm (reticule 0,1 mm)	0	0	OZB-A5511	95,-	
	SWF 15×/Ø 17 mm (reticule 0,05 mm)	0	0	OZB-A5513	110,-	
	SWF20×/Ø 14 mm (reticule 0,05 mm)	0	0	OZB-A5514	110,-	
Plan achromatic objective	1,0×	✓	*	OZB-A5603	490,-	
	0,5×	0	0	OZB-A5601	205,-	
Achromatic objectives	0,7×	0	0	OZB-A5602	205,-	
	1,5× Only in combination with OZB-A5603	0	0	OZB-A5604	265,-	
Trinocular	Division 100:0	✓	✓	OZB-A5401	575,-	
beamsplitter	Division 50:50	0	0	OZB-A5402	575,-	
	0,3× (focus adjustable)	0	0	OZB-A5701	120,-	
	0,5× (focus adjustable)	0	0	OZB-A5702	120,-	
	1,0× (focus adjustable)	0	0	OZB-A5703	95,-	
C-Mount	1,0× (with micrometer) only in combination with OZB-A5703	0	0	OZB-A5704	255,-	
	for SLR cameras (Nikon)	0	0	OZB-A5706	255,-	
	for SLR cameras (Olympus)	0	0	OZB-A5707	255,-	
	for SLR cameras (Canon)	0	0	OZB-A5708	255,-	
Darkfield unit	Darkfield unit		0	OZB-A4601	70,-	
Object clamp	Object clamp	0	0	OBB-A6205	35,-	
	Pillar style, without illumination	✓				
Stand	Pillar style, with 3 W LED illumination (transmitted + incident)		~			
	Frosted glass/Ø 94,5 mm		✓	OZB-A5192	19,-	
Stage plate	Black-white/Ø 94,5 mm	✓	1	OZB-A5191	19,-	
	Glass/Ø 94,5 mm		0	OZB-A5190	19,-	
Mechanical stage (Pre-assembling on	Stage size W×D 188×160 mm, Travel 76×65 mm, for incident and transmitted illumination	0	0	OZB-A5781	175,-	
request)	Stage size W×D 180×175 mm, Travel 100×86 mm, for incident illumination only	0	0	OZB-A5782	240,-	
External Illumination	Please find the information about external illumination units in	the catalogue on p	age 83 and on our	website www.kern-sc	ohn.com	





OZS 573 Without illumination

PROFESSIONAL LINE

High-quality parallel optics for the best images, depth of field and contrast – with extra large zoom range

Features

04

- The devices in the KERN OZS series are special, high-quality stereo zoom microscopes with parallel optics and an above-average zoom range for demanding analyses
- The KERN OZS series is available as a strong, continuously adjustable 3 W LED reflected and transmitted light variant for the very best illumination of your sample or as a variant without illumination
- The parallel optics is a high-quality optical system and provides excellent images with the best contrast, colour and depth of field with fatigue-free working
- The exceptionally large, adjustable magnification range from 8 to 80 times magnification gives you continuous zoom for the views you need
- As standard, the models of the KERN OZS series are trinocular and therefore equipped for connecting a camera for documentation purposes and for quality reports

- These models are particularly flexible due to the modular construction, the pillar stand as well as the powerful, longlife LED reflected and transmitted illumination which can be integrated as an option
- A large selection of eyepieces, (universal) stands, a darkfield kit, external illumination units as well as auxiliary objectives and more are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- A C-mount adapter is required to connect a camera. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

 In vitro fertilisation, detection of parasites, zoology and botany, tissue preparation, section, quality control, electronics and semiconductor industry, assembly and repair

Applications/Samples

 Samples with focus on three-dimesnional impression, zoom with variable magnification (depth, thickness), e.g. insects, seeds, circuit boards, components

Technical data

- Optical system: Parallel optics
- Brightness adjustable (separate)
- Tube 45° inclined
- Magnification ratio: 10:1
- Light distribution 50:50
- Interpupillary distance 52 76 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 305×300×540 mm
- Net weight approx. 5,5 kg

STANDARD	<u> </u>								OPTION
Q		Ð	<u>8</u>	Q	Q	11			hunn
360°	TRINO	LED	IL	TL	ZOOM	PARALLEL	230 V	1 DAY	SCALE

Model		Standard configuration						
	Tube	e Eyepiece Field of view Objective Stand Illumination				excl. of VAT ex works		
KERN			mm	Zoom			€	
OZS 573*	Trinocular	HWF 10×/Ø 22 mm	Ø 27,5–2,75	0,8×-8×	Pillar style	-	2350,- 🖖	
OZS 574	Trinocular	HWF 10×/Ø 22 mm	Ø 27,5–2,75	0,8×-8×	Pillar style	3 W LED (incident); 3 W LED (transmitted)	2960,-	

*ONLY WHILE STOCKS LAST

Stereomicroscopes

Stereo zoom microscope KERN OZS-5

Eyepiece		Speci	ifications - Objectives				
	Magnification	Standard Plan		Achromatic objectives			
		1,0×	0,5×	0,7×	1,5× (Auxiliary)		
HWF 10×	Total magnification	8×-80×	4×-40×	5,6×-56×	12×-120×		
	Field of view mm	Ø 27,5 – 2,75	Ø 55 – 5,5	Ø 39,3-3,93	Ø 18,33 – 1,83		
SWF 15×	Total magnification	12×-120×	6×-60×	8,4×-84×	18×-180×		
	Field of view mm	Ø 21,25 – 2,13	Ø 42,5 – 4,25	Ø 30,36 – 3,04	Ø 14,17 – 1,42		
CWE 20 -	Total magnification	16× – 160×	8×-80×	11,2× - 112×	24×-240×		
SWF 20×	Field of view mm	Ø 17,5 – 1,75	Ø 35 – 3,5	Ø 25-2,5	Ø 11,67 – 1,17		
01//5 0.0.1	Total magnification	24×-240×	12× - 120×	16,8× - 168×	36×-360×		
SWF 30×	Field of view mm	Ø 11,25 – 1,13	Ø 22,5 - 2,25	Ø 16,1 – 1,61	Ø 7,5 – 0,75		
Working distance		91 mm	186 mm	135 mm	40 mm		
Maximum sample height		100 mm	30 mm	80 mm	125 mm		

Model outfit		Mode	I KERN	Order number	Price/piece excl. of VAT	
		OZS 573	OZS 574	-	ex works €	
	HWF 10×/Ø 22 mm		11	OZB-A5502	60,-	
	SWF 15×/Ø 17 mm	00	00	OZB-A5504	60,-	
	SWF 20×/Ø 14 mm	00	00	OZB-A5505	70,-	
Eyepieces (30,0 mm)	SWF 30×/Ø 9 mm	00	00	OZB-A5506	85,-	
(00,0 mm)	HWF 10×/Ø 22 mm (reticule 0,1 mm)	0	0	OZB-A5511	95,-	
	SWF 15×/Ø 17 mm (reticule 0,05 mm)	0	0	OZB-A5513	110,-	
	SWF 20×/Ø 14 mm (reticule 0,05 mm)	0	0	OZB-A5514	110,-	
Plan achromatic objective	1,0×	✓	~	OZB-A5603	490,-	
	0,5×	0	0	OZB-A5601	205,-	
Achromatic objectives	0,7×	0	0	OZB-A5602	205,-	
-	1,5× Only in combination with OZB-A5603	0	0	OZB-A5604	265,-	
Trinocular	Division 100:0	✓	✓	OZB-A5401	575,-	
beamsplitter	Division 50:50	0	0	OZB-A5402	575,-	
	0,3× (focus adjustable)	0	0	OZB-A5701	120,-	
	0,5× (focus adjustable)	0	0	OZB-A5702	120,-	
	1,0× (focus adjustable)	0	0	OZB-A5703	95,-	
C-Mount	1,0× (with micrometer) only in combination with OZB-A5703	0	0	OZB-A5704	255,-	
	for SLR cameras (Nikon)	0	0	OZB-A5706	255,-	
	for SLR cameras (Olympus)	0	0	OZB-A5707	255,-	
	for SLR cameras (Canon)	0	0	OZB-A5708	255,-	
Darkfield unit	Darkfield unit		0	OZB-A4601	70,-	
Object clamp	Object clamp	0	0	OBB-A6205	35,-	
	Pillar style, without illumination	✓				
Stand	Pillar style, with 3 W LED illumination (transmitted + incident)		*			
	Frosted glass/ Ø 94,5 mm		✓	OZB-A5192	19,-	
Stage plate	Black-white/Ø 94,5 mm	✓	✓	OZB-A5191	19,-	
	Glass/Ø 94,5 mm		0	OZB-A5190	19,-	
Mechanical stage (Pre-assembling on	Stage size W×D 188×160 mm, Travel 76×65 mm, for incident and transmitted illumination	0	0	OZB-A5781	175,-	
request)	Stage size W×D 180×175 mm, Travel 100×86 mm, for incident illumination only	0	0	OZB-A5782	240,-	
External illumination	Please find the information about external illumination units in	the catalogue on p	age 83 and on our	website www.kern-sc	hn.com	





Plug in for power supply

PROFESSIONAL LINE

The coaxial with parallel optics for excellent contrast and depth of field

Features

04

- The KERN OZC has been developed specially to meet requirements for high contrast and depth of field. These devices are absolutely essential for the LCD/LED electronics industry
- The coaxial 2 W LED reflected illumination which is integrated into the objective guarantees selective depth of focus, so that even low-lying sections can be recorded (e.g. the bottom of a drilled hole)
- The parallel optics is a high-quality optical system and provides excellent images with the best contrast, colour and depth of field with fatigue-free working.
 Refocusing is also only necessary in very
- few cases when magnifying the zoomThe large, adjustable magnification range from 18 to 65 times gives you continuous
- from 18 to 65 times gives you continuous zoom when you are working

- As standard, the KERN OZC is trinocular and is therefore equipped for connecting a camera for documentation purposes and for quality reports
- The arm curved stand ensures precise adjustment and focusing of your sample. The stand base is particularly heavy and therefore offers a high level of stability and an extremely secure footing
- A large selection of eyepieces and a mechanical stage extension are available as accessories
- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- A C-mount adapter is required to connect a camera. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

LCD/LED electronics, semiconductor technology

Applications/Samples

• Samples with focus on three-dimesnional impression (depth, thickness), zoom for variable magnification, e.g. LCD/LED electronics, circuit boards, ICs

Technical data

- Optical system: Parallel optics
- Brightness adjustable
- Tube 45° inclined
- Magnification ratio: 3,6:1
- Light distribution 50:50
- Interpupillary distance 52 76 mm
- Diopter adjustment: Both-sided
- Overall dimensions W×D×H 305×180×405 mm
- Net weight approx. 6,6 kg.



N	Nodel		Standard configuration						
		Tube	ube Eyepiece Field of view Objective Stand Illumination						
ŀ	KERN			mm	Zoom			ex works €	
C	DZC 583	Trinocular	HSWF 10×/Ø 23 mm	Ø 12,78-3,5	1,8×-6,5×	Arm curved	2 W LED (coaxial incident)	3190,- 🖖	

Price reduction

*ONLY WHILE STOCKS LAST
 66 Stereomicroscopes

Coaxial microscope KERN OZC-5

Eyepiece	Specifications -	Objectives	
	Magnification	Standard	
		1,0×	
HWF 10×	Total magnification	18×-65×	
	Field of view mm	Ø 12,78–3,5	
SWF 15×	Total magnification	27×-97,5×	
SWF 15*	Field of view mm	Ø 9,5-2,6	
SWF 20×	Total magnification	36×-130×	
SWF 20*	Field of view mm	Ø 7,78- 2,2	
SWF 30×	Total magnification	54× - 195×	
SWF 30^	Field of view mm	Ø 5 – 1,4	
Working distance	Working distance		
Maximum sample he	ight	35 mm	

Model outfit		Model KERN	Order number	Price/piece excl. of VAT	
		OZC 583		ex works €	
	HSWF 10×/Ø 23 mm	VV	OZB-A5503	60,-	
	SWF 15×/Ø 17 mm	00	OZB-A5504	60,-	
	SWF 20×/Ø 14 mm	00	OZB-A5505	70,-	
Eyepieces (30,0 mm)	SWF 30×/Ø 9 mm	00	OZB-A5506	85,-	
(00,0 mm)	HSWF 10× /ø 23 mm (reticule 0,1 mm)	0	OZB-A5512	95,-	
	SWF 15×/Ø 17 mm (reticule 0,05 mm)	0	OZB-A5513	110,-	
	SWF 20×/Ø 14 mm (reticule 0,05 mm)	0	OZB-A5514	110,-	
	0,3× (focus adjustable)	0	OZB-A5701	120,-	
	0,5× (focus adjustable)	0	OZB-A5702	120,-	
	1,0× (focus adjustable)	0	OZB-A5703	95,-	
C-Mount	1,0× (with micrometer) only in combination with OZB-A5703	0	OZB-A5704	255,-	
	for SLR cameras (Nikon)	0	OZB-A5706	255,-	
	for SLR cameras (Olympus)	0	OZB-A5707	255,-	
	for SLR cameras (Canon)	0	OZB-A5708	255,-	
Stand	Arm curved, without illumination	√			
External illumination	Please find the information about external illumination units in the o	atalogue on page 83 and on	our website www.kern-so	hn.com	

 \checkmark = Included with delivery

O = Option



LAB LINE The specialist for jewellers and the gem industry

Features

- The KERN OZG series has been specially developed for jewellers and mineral observations in the gem industry. Precious stones and gems can be checked and handled with this stereo zoom microscope
- You have a choice of a strong halogen transmitted illumination unit as well as halogen reflected and transmitted illumination variants, each with an additional frontal illumination
- As well as very good optical characteristics, these models form an ideal package with their dark field unit with object clamp which is included in the scope of delivery
- The KERN OZG 493 is fitted with a pillar stand as well as an integrated bright halogen light unit with reflected and transmitted illumination
- The KERN OZG 497 has a arm curved stand, which is extremely flexible as it can be tilted and rotated Together with the powerful illumination units, which also includes a single fiber. This is an ideal solution for jewellers and the gem industry

- A protective dust cover, eye cups, as well as multi-lingual user instructions are included in the scope of delivery
- A C-mount adapter is required to connect a camera to the trinocular version. You can select this adapter from the following model outfit list
- Please find detailed information in the following model outfit list

Scope of application

Jewellers and gem industry

Applications/Samples

 Samples with focus on three-dimesnional impression (depth, thickness), zoom for variable magnification, special stand for processing workpieces e.g. gems, components, precious stones

Technical data

- · Optical system: Greenough optics
- Brightness adjustable
- Tube 45° inclined
- Interpupillary distance 55 75 mm
- Diopter adjustment: Both-sided

OZG 493

- Magnification ratio: 5,1:1
- Overall dimensions W×D×H 310×170×350 mm
- Net weight approx. 5 kg

OZG 497

- Magnification ratio: 6,7:1
- Light distribution 50:50
- Overall dimensions W×D×H
 340×235×480 mm
- Net weight approx. 11,5 kg

STANDARL	,							
Q	00		Ð	Ö	Q	Q		
360°	BINO	TRINO	HAL	IL	TL	ZOOM	230 V	1 DAY

Model		Standard configuration						
	Tube	Eyepiece	Field of view	Objective	Stand	Illumination	excl. of VAT ex works	
KERN			mm	Zoom			€	
OZG 493	Binocular	WF 10×/Ø 20 mm	Ø 26,7 – 5,6	0,7×-3,6×	Pillar style	12 V/10 W Halogen (incident) 12 V/10 W Halogen (transmitted) 10 W Fluorescence (front illumination)	495,-	
OZG 497 *	Trinocular	HSWF 10×/Ø 23 mm	Ø 33-5,1	0,75×-5,0×	Arm curved	12 V/10 W Halogen (transmitted) 10 W Fluorescence (front illumination including single fiber)	1290,- 🕚	

Price reduction

*ONLY WHILE STOCKS LAST

STANDAD

Gem microscope KERN OZG-4

OZG 493	Specifications -	Objectives
Eyepiece	Magnification	Standard
		1,0×
WF 5×	Total magnification	3,75× - 18×
WF 5×	Field of view mm	Ø 26 – 6
WF 10×	Total magnification	7,5×-36×
WF 10^	Field of view mm	Ø 26,7 – 5,6
WF 15×	Total magnification	11,25×-54×
WF 15^	Field of view mm	Ø 19-4,5
WF 20×	Total magnification	15×-72×
WF 20^	Field of view mm	Ø 12,5-3
Working distance		86 mm

OZG 497	Specifications – Objectives			
Eyepiece	Magnification	Standard		
		1,0×		
HWF 5×	Total magnification	3,75×-25×		
	Field of view mm	Ø 31-4,6		
HSWF 10×	Total magnification	7,5×-50×		
	Field of view mm	Ø 33-5		
HWF 15×	Total magnification	11,25×-75×		
	Field of view mm	Ø 24 – 4,2		
HSWF 20×	Total magnification	15×-100×		
	Field of view mm	Ø 20-3,5		
HWF 25×	Total magnification	18,75× - 125×		
	Field of view mm	Ø 15,8-2,4		
Working distance		113 mm		

		Model KERN		Order number	Price/piece excl. of VAT
	-	OZG 493	OZG 497		ex works €
Eyepieces (30,5 mm)	WF 5×/Ø 16,2 mm	00		OZB-A4101	35,-
	WF 10×/Ø 20 mm	VV		OZB-A4102	35,-
	WF 15×/Ø 15 mm	00		OZB-A4103	30,-
	WF 20×/Ø 10 mm	00		OZB-A4104	30,-
Eyepieces (30,0 mm)	HWF 5×/Ø 23,2 mm		00	OZB-A4112	40,-
	HSWF 10×/Ø 23 mm		~~	OZB-A4118	40,-
	HWF 15×/Ø 15 mm		00	OZB-A4119	40,-
	HSWF 20×/Ø 14,5 mm		00	OZB-A4120	60,-
	HWF 25×/Ø 11,7 mm		00	OZB-A4121	60,-
C-Mount	1,0× (focus adjustable)		0	OZB-A4809	50,-
	0,3× (focus adjustable)		0	OZB-A4810	85,-
	0,5× (focus adjustable)		0	OZB-A4811	95,-
Darkfield unit	Darkfield unit	✓	~	OZB-A4601	70,-
Object clamp	Object clamp (steel wire)	✓	✓	OZB-A4604	30,-
Stand	Pillar style, with 12 V/10 W Halogen (transmitted + incident) and 10 W Fluorescent illumination (front)	✓			
	Arm curved, with 12 V/10 W Halogen (transmitted) and 10 W Fluorescent illumination (front) + Single fiber illumination		~		
Stage plate	Frosted glass/Ø 95 mm	✓		OZB-A4805	19,-
	Black-white/Ø 95 mm	✓		OZB-A4806	19,-
Illumination	12 V/10 W spare bulb (transmitted + incident)	✓	~	OZB-A4804	19,-

 \checkmark = Included with delivery

O = Option

KERN - Tradition and Innovation for over 170 years

An independent family business, KERN since already 8 generations is synonymous with quality and reliability in customer service.

Printed in Germany by KERN & SOHN GmbH z-co-gb-kp-20181



KERN is founded – precision balances are produced



A proud Gottlieb Kern with his staff



Pharmaceutical balance with Aesculap



Inflation – KERN wages are paid with self printed currency



The electronic balance ousts mechanical devices



Accredited DKD laboratory (ISO 17025)



New premises in Balingen



Existing QM system certification in accordance with DIN EN ISO 9001:2000 standards



Approval for the manufacture of medical products (DIN EN 13485 and 93/42/EEC)



Authorisation for initial verification by the manufacturer (2009/23/EC)



Approval for the manufacture and sale of height rods (DIN EN 13485 and 93/42/EEC)



Verification point for non-automatic balances and test weights.

New customer portal www.kern-sohn.com goes live



Expansion of the product range to include optical instruments (microscopes and refractometers)



Inauguration of Ziegelei 2.0 with computer-controlled high-bay warehouse



Come with KERN into the digital future: Expansion of the model ranges compatible with Industry 4.0, as well as the related services

KERN & SOHN GmbH Microscopes and Refractometers Ziegelei 1 72336 Balingen Germany

Tel. +49[0]74339933-0 Fax +49[0]74339933-146

info@kern-sohn.com www.kern-sohn.com



