

STEREO MICROSCOPE SETS

PROFESSIONAL
MEASURING



2018

KERN Pictograms



360° rotatable microscope head

360°



Monocular Microscope
For the inspection with one eye

MONO



Binocular Microscope
For the inspection with both eyes

BINO



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

TRINO



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

ABBE



Halogen illumination
For pictures bright and rich in contrast

HAL



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

LED



Incident illumination
For non-transparent objects

IL



Transmitting illumination
For transparent objects

TL



Fluorescence illumination
For stereomicroscopes

FL



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

FL-HBO



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

FL-LED



Phase contrast unit
For a higher contrast

PH



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

DF



Polarising unit
To polarise the light

POLAR



Infinity system
Infinity corrected optical system

INFINITY



Zoom magnification
For stereomicroscopes

ZOOM



Parallel optical system
For stereomicroscopes, enables fatigue-proof working

PARALLEL



Integrated scale
In the eyepiece

SCALE



SD card
For data storage

SD



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

USB 2.0



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

USB 3.0



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

WLAN



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

HDMI



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

SOFTWARE



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

AUTO ATC



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

IP



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

BATT



Battery operation rechargeable
Prepared for a rechargeable battery operation

RECHARGE



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

230 V



Power supply
Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, AUS or USA on request.

230 V



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

1 DAY

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

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



E-mail order
info@kern-sohn.com



Service hotline
+49 [0] 7433 9933-199



Fax Order
+49 [0] 7433 9933-146



Online shop
www.kern-sohn.com

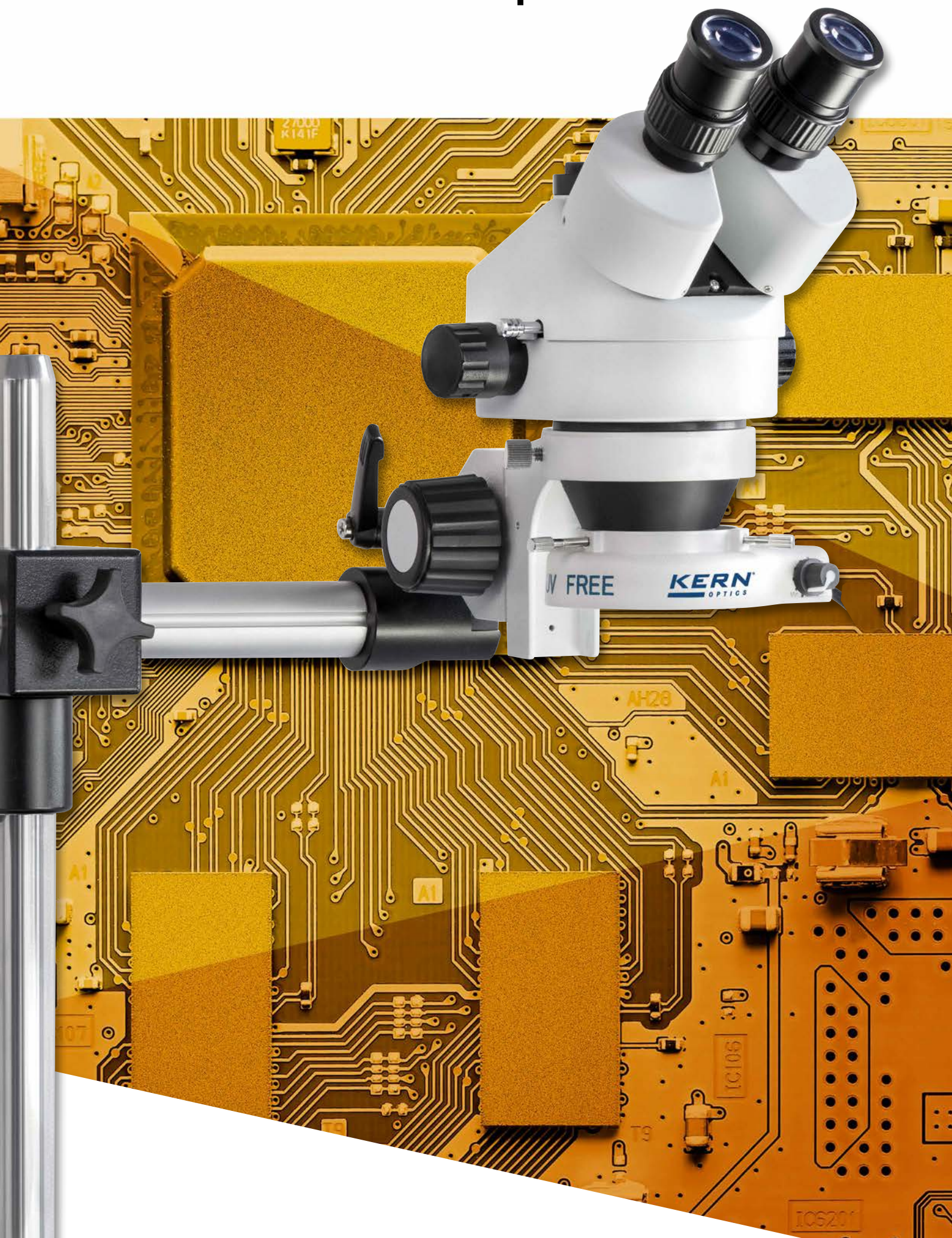


Our team of consultants will assist you
from Monday to Friday
from 8:00 am to 5:00 pm



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.

5 Stereo microscope sets





OZL 961/963



OZM 912/913



OSE 409



OZM 932/933



OZM 952/953



OZM 982/983

Predefined stereo microscope sets with universal stand and illumination for your functional workplace

Features

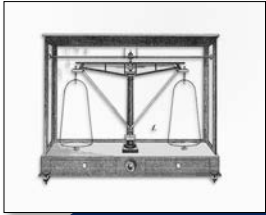
- Sets which have already been defined (except OSE 409), consisting of a stereo microscope head (p. 74), a universal stand (p. 79), a holder (p. 80) and a ring illumination from our range (p. 83)
- Simple – convenient – affordable
- This saves you spending time on configuration and being spoilt for choice in the combination of different components. In this way you get an expensive and highly-flexible solution for your microscope workplace

Model KERN	Microscope head		Stand	Holder	Illumination	Price excl. of VAT ex works €
	Tube	Objective Zoom				
OSE 409	Binocular (WF 10×/ ø 20 mm)	1x (WD: 230 mm)	Swivel arm with block pedestal	With coarse focusing knob Adjustable torque of the hand wheels	3W LED goose neck (integrated)	355,-
OZL 961	Binocular (OZL 461)	0,7× – 4,5×	Telescopic arm with plate	With coarse focusing knob Adjustable torque of the hand wheels	4,5 W LED ring light (OBB-A6 102)	880,-
OZL 963	Trinocular (OZL 462)	0,7× – 4,5×	Telescopic arm with plate	With coarse focusing knob Adjustable torque of the hand wheels	4,5 W LED ring light (OBB-A6 102)	950,-
OZM 912	Binocular (OZM 546)	0,7× – 4,5×	Telescopic arm with plate (OZB-A5201)	With coarse focusing knob Adjustable torque of the hand wheels (OZB-A5301)	4,5 W LED ring light (OBB-A6 102)	1440,-
OZM 913	Trinocular (OZM 547)	0,7× – 4,5×	Telescopic arm with plate (OZB-A5201)	With coarse focusing knob Adjustable torque of the hand wheels (OZB-A5301)	4,5 W LED ring light (OBB-A6 102)	1740,-
OZM 932	Binocular (OZM 546)	0,7× – 4,5×	ball-bearing double telescopic arm with plate (OZB-A5203)	With coarse focusing knob Adjustable torque of the hand wheels (OZB-A5301)	4,5 W LED ring light (OBB-A6 102)	1730,-
OZM 933	Trinocular (OZM 547)	0,7× – 4,5×	ball-bearing double telescopic arm with plate (OZB-A5203)	With coarse focusing knob Adjustable torque of the hand wheels (OZB-A5301)	4,5 W LED ring light (OBB-A6 102)	2030,-
OZM 952	Binocular (OZM 546)	0,7× – 4,5×	Jointed arm with clamp (OZB-A5212)	With coarse focusing knob Adjustable torque of the hand wheels (OZB-A5301)	4,5 W LED ring light (OBB-A6 102)	1390,-
OZM 953	Trinocular (OZM 547)	0,7× – 4,5×	Jointed arm with clamp (OZB-A5212)	With coarse focusing knob Adjustable torque of the hand wheels (OZB-A5301)	4,5 W LED ring light (OBB-A6 102)	1690,-
OZM 982	Binocular (OZM 546)	0,7× – 4,5×	Spring loaded arm with clamp (OZB-A6302)	With double handle	4,5 W LED ring light (OBB-A6 102)	1380,-
OZM 983	Trinocular (OZM 547)	0,7× – 4,5×	Spring loaded arm with clamp (OZB-A6302)	With double handle	4,5 W LED ring light (OBB-A6 102)	1680,-

Price reduction

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.



1844

KERN is founded – precision balances are produced



1863

A proud Gottlieb Kern with his staff



1880

Pharmaceutical balance with Aesculap



1923

Inflation – KERN wages are paid with self printed currency



1980

The electronic balance ousts mechanical devices



1994

Accredited DKD laboratory (ISO 17025)



2000

New premises in Balingen



2002

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



2007

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



2008

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



2009

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



2012

Verification point for non-automatic balances and test weights.

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



2014

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



2015

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



2017

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

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