



# ANALYTICAL BALANCES



PROFESSIONAL  
MEASURING

**2018**

# KERN Pictograms

 <b>Internal adjusting:</b> Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)	 <b>GLP/ISO log:</b> The balance displays serial number, user ID, weight, date and time, regardless of a printer connection	 <b>Suspended weighing:</b> Load support with hook on the underside of the balance
 <b>Adjusting program CAL:</b> For quick setting up of the balance's accuracy. External adjusting weight required	 <b>GLP/ISO log:</b> With weight, date and time. Only with KERN printers, see page 154/155	 <b>Battery operation:</b> Ready for battery operation. The battery type is specified for each device
 <b>Memory:</b> Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.	 <b>Piece counting:</b> Reference quantities selectable. Display can be switched from piece to weight	 <b>Rechargeable battery pack:</b> Rechargeable set
 <b>Alibi memory:</b> Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard. For details see page 191	 <b>Recipe level A:</b> The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out	 <b>Universal mains adapter:</b> with universal input and optional input socket adapters for A) EU, GB B) EU, GB, CH, USA C) EU, GB, CH, USA, AUS
 <b>Data interface RS-232:</b> To connect the balance to a printer, PC or network	 <b>Recipe level B:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display	 <b>Mains adapter:</b> 230V/50Hz in standard version for EU. On request GB, USA or AUS version available
 <b>RS-485 data interface:</b> To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible	 <b>Recipe level C:</b> Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition	 <b>Power supply:</b> Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
 <b>USB data interface:</b> To connect the balance to a printer, PC or other peripherals	 <b>Totalising level A:</b> The weights of similar items can be added together and the total can be printed out	 <b>Weighing principle: Strain gauges</b> Electrical resistor on an elastic deforming body
 <b>Bluetooth* data interface:</b> To transfer data from the balance to a printer, PC or other peripherals	 <b>Percentage determination:</b> Determining the deviation in % from the target value (100 %)	 <b>Weighing principle: Tuning fork</b> A resonating body is electromagnetically excited, causing it to oscillate
 <b>WLAN data interface:</b> To transfer data from the balance to a printer, PC or other peripherals	 <b>Weighing units:</b> Can be switched to e.g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details	 <b>Weighing principle: Electromagnetic force compensation</b> Coil inside a permanent magnet. For the most accurate weighings
 <b>Control outputs (optocoupler, digital I/O):</b> To connect relays, signal lamps, valves, etc.	 <b>Weighing with tolerance range:</b> (Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model	 <b>Weighing principle: Single cell technology</b> Advanced version of the force compensation principle with the highest level of precision
 <b>Interface for second balance:</b> For direct connection of a second balance	 <b>Hold function:</b> (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value	 <b>Verification possible:</b> The time required for verification is specified in the pictogram
 <b>Network interface:</b> For connecting the scale to an Ethernet network	 <b>Protection against dust and water splashes IPxx:</b> The type of protection is shown in the pictogram. For details see page 58	 <b>DAkkS calibration possible (DKD):</b> The time required for DAkkS calibration is shown in days in the pictogram
 <b>Wireless data transfer:</b> between the weighing unit and the evaluation unit using an integrated radio module	 <b>Stainless steel:</b> The balance is protected against corrosion	 <b>Package shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram
 <b>KERN Communication Protocol (KCP):</b> It is a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems		 <b>Pallet shipment:</b> The time required for internal shipping preparations is shown in days in the pictogram

# KERN – measuring technology and testing services from a single source



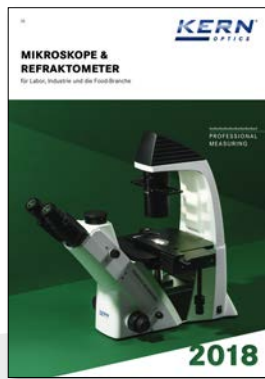
## Balances & Test service catalogue

Provides a complete overview of the KERN line of balances, test weights, and services such as verification, calibration, etc.



## Medical scales catalogue

Complete line of medical scales, from infant scales to patient scales, chair scales and adiposity scales, as well as hand grip dynamometers, chemist's balances and veterinary scales.



## Microscopes & refractometers catalogue

Extensive range in the area of optical instruments, such as, for example, biological microscopes, stereo microscopes, metallurgical microscopes, polarisation microscopes as well as analogue and digital refractometers.



## SAUTER measuring equipment catalogue

Test instruments for industry and commerce, such as force, coating thickness, material thickness and calibration service.



## DAkKS calibration service brochure

Detailed information on topics pertaining to the calibration and verification of balances, test weights, and force measuring devices.

## Your advantages

### fast

- 24 hours delivery service for products in stock – ordered today, on its way tomorrow
- Sales & service hotline available from 8:00 am to 6:00 pm

### reliable

- Up to 3 years warranty
- Precision in weighing technology for more than 170 years

### competent

- DAkKS accreditation DIN EN ISO/IEC 17025
- Certified QM system DIN EN ISO 9001
- Authorisation for initial verification by the manufacturer 2014/31/EU
- Medical certifications DIN EN ISO 13485 and 93/42/EEC

### versatile

- One-stop shopping: from pocket balances through to 15 t crane balance – everything from one supplier
- Find the product you want at lightning speed with the “Balance Quick-Finder” at [www.kern-sohn.com](http://www.kern-sohn.com)



### Order hotline

+49 [0] 7433 9933-0



### Service hotline

+49 [0] 7433 9933-199



### Calibration hotline

+49 [0] 7433 9933-196



### Our team of consultants will assist you

from Monday to Friday  
from 8:00 am to 6:00 pm



### Online Shop

[www.kern-sohn.com](http://www.kern-sohn.com)



### E-mail order

[info@kern-sohn.com](mailto:info@kern-sohn.com)



### Fax order

+49 [0] 7433 9933-146



### [www.kern-sohn.com](http://www.kern-sohn.com)

Information on current product availability, product data sheets, user instructions, useful knowledge, technical glossary, images 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.

## Analytical balances

Quick-Finder Analytical balances												
Read-out [d] mg	Weighing range [Max] g	Model	Price excl. of VAT ex works €	Page	For an explanation on the pictos, see the front flap							
0,01	101	ABT 100-5NM	1980,-	39	1	○	●				●	●
0,01   0,1	42   120	ABT 120-5DNM	2120,-	39	1	○	●				●	●
0,01   0,1	82   220	ALJ 200-5DA	1750,-	37	1		●				●	●
0,01   0,1	82   220	ABT 220-5DNM	2320,-	39	1	○	●				●	●
0,1	82	ABS 80-4N	960,-	38	1			●			○	●
0,1	82	ABJ 80-4NM	1040,-	38	1	○	●				○	●
0,1	120	ADB 600-C3	610,-	35	1			●			●	●
0,1	120	ADB 100-4	620,-	35	1			●			●	●
0,1	120	ABS 120-4N	1020,-	38	1						○	●
0,1	120	ABJ 120-4NM	1070,-	38	1	○	●	●			○	●
0,1	120	ABT 120-4NM	1470,-	39	1	○	●				●	●
0,1	160	ALS 160-4A	930,-	37	1			●			●	●
0,1	160	ALJ 160-4A	1030,-	37	1		●				●	●
0,1	160	ALJ 160-4AM	1050,-	37	1	○	●				●	●
0,1	210	ADB 200-4	640,-	35	1			●			●	●
0,1	220	ABS 220-4N	1070,-	38	1			●			○	●
0,1	220	ABJ 220-4NM	1160,-	38	1	○	●				○	●
0,1	220	ABT 220-4NM	1770,-	39	1	○	●				●	●
0,1	250	ALS 250-4A	980,-	37	1			●			●	●
0,1	250	ALJ 250-4A	1060,-	37	1		●				●	●
0,1	250	ALJ 250-4AM	1090,-	37	1	○	●				●	●
0,1	310	ALJ 310-4A	1190,-	37	1		●				●	●
0,1	320	ABS 320-4N	1230,-	38	1			●			○	●
0,1	320	ABJ 320-4NM	1330,-	38	1	○	●				○	●
0,1	320	ABT 320-4NM	1970,-	39	1	○	●				●	●
0,1	510	ALJ 500-4A	1950,-	37	1		●				●	●

News 2018

= Carat balances

● = standard ○ = option

from €

# 610,-

page 35

**HIGH-LIGHT**

**FACE LIFT**

- ▶ Large glass draught shield with 3 sliding doors
- ▶ Large weighing ranges at a top price
- ▶ Now also available as a special carat model



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Product specialist Analytical balances

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**KERN ADB**



FACE  
LIFT



04

The price leader in analytical balances – now in a new compact design and with special carat model

**Features**

- **1 NEW:** KERN ADB 600-C3! Compact, space-saving carat balance with a readout of 0.001 ct and a weighing range of 600 ct. The high level of accuracy saves hard cash wherever you are weighing valuable precious stones
- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed.
- **Compact size**, practical for small spaces
- **Simple and convenient 6-key operation**

**Technical data**

- Large backlit LCD display, digit height 16 mm
- Dimensions weighing surface, stainless steel,  $\varnothing$  90 mm
- Overall dimensions (incl. draught shield) W×D×H  
KERN ADB: 230×310×330 mm  
KERN ADB-C: 230×310×230 mm
- Weighing space W×D×H  
KERN ADB: 170×160×205 mm  
KERN ADB-C: 170×160×110 mm
- Net weight approx. 4,4 kg
- Permissible ambient temperature 10 °C/30 °C

**Accessories**

- **2 Ioniser** to neutralise electrostatic charge, KERN YBI-01A, **€ 940,-**
- **3 Precious stones plate**, aluminium with practical spout, W×D×H 83×66×23 mm, KERN AEJ-A05, **€ 40,-**
- **4 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 990,-**
- **Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL EXT | RS 232 | GLP | PRINTER | PCS | PERCENT | UNIT | MULTI | FORCE | 1 DAY

OPTION

DAkkS +3 DAYS

Model	Weighing range [Max] g	Readout [d] mg	Reproducibility mg	Linearity mg	Price € excl. of VAT ex works €	Options	
						DAkkS Calibr. Certificate	
KERN						<b>DKD</b> KERN	€
ADB 100-4 <small>NEW</small>	120	0,1	0,2	± 0,4	<b>620,-</b>	963-101	138,-
ADB 200-4	210	0,1	0,2	± 0,4	<b>640,-</b>	963-101	138,-
ADB 600-C3 <small>NEW</small>	120 g   600 ct	0,1 mg   0,001 ct	0,2 mg   0,002 ct	± 0,4 mg   0,004 ct	<b>610,-</b>	963-101	138,-

NEW New model      ◆ = Carat balance



1 KERN ALJ 200-5DA with optional ioniser 2, see *Accessories*

Analytical balance range with large weighing ranges – now also with EC type approval [M] or available as semi-micro analytical balance

#### Features

- **1 NEW:** KERN ALJ 250-5DA! High-precision semi-micro analytical balance
- **2 NEW:** KERN ALJ-A03! Ioniser to neutralise electrostatic charge for fixed installation in the analytical balance. This it makes for convenient handling as you no longer need a separate device. Simply enable the ioniser fan at the push of a button. Suitable for all models in this range, see accessories on the right
- KERN ALJ-A/-AM: **Automatic internal adjustment** in the case of a change in temperature  $\geq 1,2$  °C or timecontrolled every 3 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN ALS-A: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Ergonomically optimised keypad** for left and righthanded users
- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed.
- **Compact size**, practical for small spaces
- **Protective working cover** included with delivery



**Technical data**

- Backlit LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel,  $\varnothing$  80 mm
- Overall dimensions (incl. draught shield) W×D×H 210×340×330 mm
- Weighing space W×D×H 160×140×205 mm
- Net weight approx. 7 kg
- Permissible ambient temperature  
KERN ALS-A/ALJ-A/ALJ-DA: 5 °C/35 °C  
KERN ALJ-AM: 15 °C/30 °C

**Accessories**

- **Protective working cover**, scope of delivery: 5 items, KERN ALJ-A01S05, **€ 40,-**
- **Protective dust cover**, KERN ABS-A08, **€ 30,-**
- **2 Draft shield rear panel with integrated ioniser** to neutralise electrostatic charge. Is fitted in place of the existing glass rear panel of the draft shield. Suitable for all models in the KERN ALS-A/ALJ-A/ALJ-AM/ALJ-DA range, please order at the time you order your balance, the scope of delivery is the rear panel, ioniser, power supply. Factory Option, KERN ALJ-A03, **€ 690,-**

- **3 Set for density determination** of liquids and solids with density  $\leq/\geq 1$ , the density is indicated directly on the display, KERN YDB-03, **€ 390,-**
- **4 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 990,-**
- **Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

CAL INT	CAL EXT	RS 232	GLP	PRINTER	PCS	RECIPE	PERCENT	UNIT	TOL	MOVE	MULTI	FORCE	1 DAY
ALJ-A	ALS-A												

OPTION

DAkkS	+3 DAYS
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FACTORY

M	+3 DAYS
ALJ-AM	

Model	Weighing range [Max] g	Readout [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
KERN								KERN	€	KERN	€
ALS 160-4A	160	0,1	-	-	0,1	± 0,3	930,-	-	-	963-101	138,-
ALS 250-4A	250	0,1	-	-	0,1	± 0,3	980,-	-	-	963-101	138,-

Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.

ALJ 200-5DA	82   220	0,01   0,1	-	-	0,04   0,1	± 0,1   0,2	1750,-	-	-	963-101	138,-
ALJ 160-4A	160	0,1	-	-	0,1	± 0,3	1030,-	-	-	963-101	138,-
ALJ 160-4AM	160	0,1	1	10	0,2	± 0,3	1050,-	965-201	110,-	963-101	138,-
ALJ 250-4A	250	0,1	-	-	0,1	± 0,3	1060,-	-	-	963-101	138,-
ALJ 250-4AM	250	0,1	1	10	0,2	± 0,3	1090,-	965-201	110,-	963-101	138,-
ALJ 310-4A	310	0,1	-	-	0,1	± 0,3	1190,-	-	-	963-101	138,-
ALJ 500-4A	510	0,1	-	-	0,2	± 0,4	1950,-	-	-	963-101	138,-

New model



The bestseller in analytical balances, with high-quality single-cell weighing system, also with EC type approval [M]

**Features**

- KERN ABJ-NM: **Automatic internal adjustment** in the case of a change in temperature  $\geq 2\text{ }^\circ\text{C}$  or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN ABS-N: **Adjusting program CAL** for quick setting of the balance accuracy using an external test weight
- **Dosage aid:** High-stability mode and other filter settings can be selected
- **Simple recipe weighing and documenting** with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight

- **Automatic data output to the PC/printer** each time the balance is steady
- **Identification number:** 4 digits, printed on calibration protocol freely programmable
- ABJ-NM has OIML certification
- **Protective working cover** included with delivery

**Technical data**

- Large LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel,  $\varnothing$  91 mm
- Overall dimensions (incl. draught shield) W×D×H 210×340×325 mm
- Weighing space W×D×H 174×162×227 mm
- Net weight approx. 6 kg
- Permissible ambient temperature 10 °C/30 °C

**Accessories**

- **Protective working cover**, scope of delivery: 5 items, KERN ACS-A02S05, € 40,-
- **1 Set for density determination** of liquids and solids with density  $\leq/\geq 1$ , the density is indicated directly on the display, KERN YDB-03, € 390,-
- **2 Ioniser** to neutralise electrostatic charge, KERN YBI-01A, € 940,-
- **Data interface RS-232**, interface cable included, approx. 1,5 m, KERN ACS-A01, € 75,-
- **3 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, € 990,-
- **Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, € 10,-
- Further details, plenty of further accessories and suitable printers see *Accessories*

**4 Single-cell advanced technology:**

- **Fully automatic manufactured weighing cell from one piece of material**
- **Stable temperature behaviour**
- **Short stabilisation time:** steady weight values within approx. 3 sec under laboratory conditions
- **Shock proof construction**
- **High corner load performance**

STANDARD										OPTION		FACTORY	
CAL INT	CAL EXT	PRINTER	PCS	RECIPE	PERCENT	UNIT	TOL	MULTI	SC TECH	1 DAY	RS 232	DAkkS	M
ABJ-NM	ABS-N											+3 DAYS	+3 DAYS

Model	Weighing range [Max] g	Readout [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
									€		€
KERN ABS 80-4N	82	0,1	-	-	0,2	$\pm 0,3$	960,-	-	-	963-101	138,-
KERN ABS 120-4N	120	0,1	-	-	0,2	$\pm 0,3$	1020,-	-	-	963-101	138,-
KERN ABS 220-4N	220	0,1	-	-	0,2	$\pm 0,3$	1070,-	-	-	963-101	138,-
KERN ABS 320-4N	320	0,1	-	-	0,2	$\pm 0,3$	1230,-	-	-	963-101	138,-
Note: For applications that require verification, please order verificati on at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.											
ABJ 80-4NM	82	0,1	1	10	0,2	$\pm 0,3$	1040,-	965-201	110,-	963-101	138,-
ABJ 120-4NM	120	0,1	1	10	0,2	$\pm 0,3$	1070,-	965-201	110,-	963-101	138,-
ABJ 220-4NM	220	0,1	1	10	0,2	$\pm 0,3$	1160,-	965-201	110,-	963-101	138,-
ABJ 320-4NM	320	0,1	1	10	0,2	$\pm 0,3$	1330,-	965-201	110,-	963-101	138,-

Price reduction





04

## The premium model with single-cell weighing system

### Features

- **Automatic internal adjustment** in the case of a change in temperature  $\geq 0,5\text{ }^{\circ}\text{C}$  or timecontrolled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- **Dosage aid:** High-stability mode and other filter settings can be selected
- **Simple recipe weighing and documenting** with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- **Identification number:** 4 digits, printed on calibration protocol freely programmable
- **Automatic data output to the PC/printer** each time the balance is steady

- **Large glass draught shield** with 3 sliding doors for easy access to the items being weighed.
- **Protective working cover** included with delivery

### Technical data

- Large LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel,  $\varnothing$  80 mm
- Overall dimensions (incl. draught shield) WxDxH 217x356x338 mm
- Weighing space WxDxH 168x172x223 mm
- Net weight approx. 7 kg
- Permissible ambient temperature 10  $^{\circ}\text{C}$ /30  $^{\circ}\text{C}$

### Accessories

- **Protective working cover**, scope of delivery: 5 items, KERN ABT-A02S05, **€ 40,-**
- **1 Set for density determination** of liquids and solids with density  $\leq/\geq 1$ , the density is indicated directly on the display, KERN YDB-03, **€ 390,-**
- **2 Ioniser** to neutralise electrostatic charge, KERN YBI-01A, **€ 940,-**
- **3 Weighing table** to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03, **€ 990,-**
- **Minimum weight of sample**, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103, **€ 10,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

### 4 Single-cell advanced technology:

- **Fully automatic manufactured weighing cell from one piece of material**
- **Stable temperature behaviour**
- **Short stabilisation time:** steady weight values within approx. 3 sec under laboratory conditions
- **Shock proof construction**
- **High corner load performance**

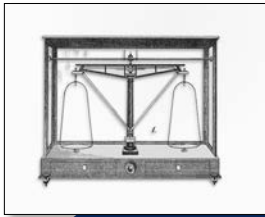
STANDARD										OPTION		FACTORY			

Model	Weighing range [Max] g	Readout [d] mg	Verification value [e] mg	Minimal load [Min] mg	Reproducibility mg	Linearity mg	Price € excl. of VAT ex works €	Options			
								Verification		DAkkS Calibr. Certificate	
								MT KERN	€	DKD KERN	€
ABT 120-4NM	120	0,1	1	10	0,1	$\pm 0,2$	<b>1470,-</b> ↓	965-201	110,-	963-101	138,-
ABT 220-4NM	220	0,1	1	10	0,1	$\pm 0,2$	<b>1770,-</b>	965-201	110,-	963-101	138,-
ABT 320-4NM	320	0,1	1	10	0,1	$\pm 0,3$	<b>1970,-</b> ↓	965-201	110,-	963-101	138,-
ABT 100-5NM	101	0,01	1	1	0,05	$\pm 0,15$	<b>1980,-</b>	965-201	110,-	963-101	138,-
Note: For applications that require verification, please order verification at the same time, initial verification at a later date is not possible. Verification at the factory, we need to know the full address of the location of use.											
Dual-range balance switches automatically to the next largest weighing range [Max] and readout [d]											
ABT 120-5DNM	42   120	0,01   0,1	1	1	0,02   0,1	$\pm 0,05$   0,2	<b>2120,-</b>	965-201	110,-	963-101	138,-
ABT 220-5DNM	82   220	0,01   0,1	1	1	0,05   0,1	$\pm 0,1$   0,2	<b>2320,-</b> ↓	965-201	110,-	963-101	138,-

↓ Price reduction

# Tradition and innovation for more than 170 years

An independent family business, KERN since already 7 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/EU)



**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](http://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

**KERN & SOHN GmbH**  
**Balances, Test weights,**  
**DAkKS Calibration laboratory**  
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