

Your advantages at KERN:

fast

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

competent

- DKD accreditation (DIN EN ISO/IEC 17025)
- QM system (DIN EN ISO 9001:2008)
- Initial verification by the manufacturer (2009/23/EC)
- Medical (DIN EN ISO 13485 & 93/42/EC)

reliable

- 2+ years warranty
- Precision in weighing technology for the last 169 years

diverse

- One-stop shopping: from pocket balances to floor scales – everything from one supplier
- Find the product you want with the „Balance Quick-Finder“ in the online shop

qkas-gb-mn-201301

Occupational safety

Testing devices for
occupational safety



KERN – Professional measuring.

Pictogram overview:



Adjusting program (CAL): for quick setting of the balance's accuracy. External adjusting weight required.



Data interface: the type of interface is shown by the pictogram.



Weighing units: can be switched to e. g. non-metric units at the touch of a key. Please refer to KERN's website for more details.



Weighing with tolerance range: (Checkweighing) upper and lower limiting can be programmed individually, e. g. for dosing/sorting.



Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.



Battery operation: the battery type is specified for each device.



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



Tare: resets the displayed value to „0“ during weighing process, e. g. to add or remove weighing material from a container.



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



Warranty: the warranty period is shown in the pictogram.



DKD calibration: DKD calibration possible. The time required for DKD calibration is specified in the pictogram.



ISO calibration: ISO calibration possible. The time required for ISO calibration is specified in the pictogram.

Member of



German Excellence Group

EN



Pictogram overview:



External sensor: the sensor is separated from the display unit by cable



Calibration block: standard for adjusting or correcting the measuring device



Ultraviolet light: for optical analysis of the test object



Electrical conductivity: for testing electrical material characteristics



Thermal conductivity: for testing thermal material characteristics



Scan mode: continuous capture and display of measurements



Peak hold function: capturing a peak value within a measuring process



Push and Pull: the measuring device can capture tension and compression forces



Length measurement: captures the size of people and objects or the movement during a test process



Focus function: increases the measuring accuracy of a device within a defined measuring range



Motorised drive: the mechanical movement is carried out by a motorised drive



Fast move: the total length of travel can be covered by a single lever movement.



Internal memory: to save measurements in the device memory



Statistics: the device calculates statistical data, such as average value, standard deviation or similar data from the saved values



Printer: a printer can be connected to the device to print out the measurements



PC software: to transfer the measurements from the device to a PC

For more than 169 years the KERN name has been synonymous with high-quality precision balances.

Ordering – easy and straightforward:

Please see back of the flyer

Your advantages at KERN:



Quick delivery and competent customer service

All stock items are dispatched to you within 24 hours. Delivery, product advice and servicing can only be offered by the authorised KERN dealer in your area.



KERN test service for balances

Amongst other applications, verification is mandatory in commercial trade and in medical applications. Initial verification for new devices is carried out by us, please order this when you order your device. Periodic reverification is carried out by your local verification office and we would be happy to assist you with this.

DKD calibration is one of the tests monitored by the accreditation point (DAkkS – German accreditation point). It tests the metrological characteristics of your balance and is required, for example, for quality management to ISO 9001. Please order a DKD calibration certificate when you order your device. Periodic retesting (= recalibration) can be carried out by our calibration team, we would be happy to agree the details with you.



Warranty

2+ years



Sale or return

within 14 days of purchase



All product information at a glance

Simply start the code scanner on your Smartphone or Laptop (e. g. Quickmark®), photograph the QR-Code on the product page and you will automatically be taken to the web page with all the detailed information about that product.



Find the device you want!

Twenty-four-seven in the KERN Online Shop:



Also available online:

- Free software ... and much more!
- Convenient search engine for balances and test weights
- Brochures and user manuals for download

Sales conditions:

- The prices are valid from 01.01.2013 - 31.12.2013
In Europe, all prices do not include the applicable V.A.T.
- Delivery conditions: on request



Albert Sauter, Martin Sauter

Dear sales partner,

Legislative bodies, trade unions and businesses prescribe strict conditions for the protection of employees. So measures to improve health and safety in the workplace are becoming increasingly important for companies. In the first instance this is for moral reasons, but also for economic reasons, because accidents at work or work-related illnesses are costly for the company, as well as for society.

In order to meet these requirements, KERN has put together a „Safety at work“ kit, for the protection of employees from work-related injuries (accidents at work), work-related illnesses (occupational illness) and work difficulties (negative stress).

With more than 169 years' experience in the construction of precision measuring equipment, high level of product availability, the fastest delivery times and a comprehensive range of services, KERN is the preferred partner for dealers.

Quality and reliability in customer service.

Martin and Albert Sauter, Management
[Balingen, May 2013]



SO 200K | Professional photometer

- Measures illumination in the workplace
- Enables you to determine whether a workspace is sufficiently illuminated
- Measuring range: 0 – 200.000 lx
- Rapid measuring frequency: 5 Hz
- Meter reading unit: Foot-candle (fc) or lx
- Durable and filtered silicone diodes
- Photo sensor is cosine corrected
- Peak function: to capture the peak value
- Increased life through a protective sheath
- Sturdy protective cover for the photo sensor
- Readout: lx (up to x lx):
0.1 (200); 1 (2.000); 10 (20.000); 100 (200.000)

STANDARD



OPT.



Model	Measuring range [Max] lx		Option ISO Calibration	
			KERN	
SAUTER SO 200K.	200.000		961-190	



SU 130 | Professional sound level meter

- Measures the noise level in the workplace
- Enables you to determine whether the exposure is to continuous noise or noise at certain times
- Sound level meter class II
- Measuring uncertainty: ± 1 db
- Internal memory for measurement values: 30 groups
- Measuring functions: Lp (Standard), Leq, Ln
- Selectable methods of capture: A (human ear), C and F
- Programmable function to set limits
- Peak function: to capture the peak value
- Software and other options – see website

STANDARD



OPT.



OPT.



Model	Measuring range [Max] dB	Readout [d] dB		Option ISO Calibration	
				KERN	
SU 130.	30 – 130	0.1		961-200	



FK 500 | Professional force-measuring device

- Can determine a person’s muscle strength in one movement
- Measures the physical forces required for a work process, e. g. to operate a machine
- Measuring range: 0 – 500 N
- Automatic reversible display
- Overload protection: 200 % of Max
- Peak function: to capture the peak value
- Option: handle made of stainless steel with plastic coating for a good grip, **SAUTER AFK-02**,
- Other options such as medical pressure attachments – see website

STANDARD

 BATT

 230 V

 PEAK

 PUSH/PULL

 2 YEARS
GUARANTY

OPT.

 ISO
+4 DAYS

Model	Measuring range [Max] N	Readout [d] N		Option ISO Calibration	
				KERN	
SAUTER FK 500.	500	0.2		961-161	



MAP 80K1 | Hand-grip dynamometer

- Measures manual clamping strength - once or in repeated movements
- Allows you to measure the remaining strength of a damaged hand after an accident at work
- As part of a rehabilitation programme, the MAP can be used by medical personnel to monitor the healing process
- Measuring range: 0 – 80 kg
- Real time mode: Immediately shows the client's current strength
- Peak value mode: shows the maximum strength of a client's grip
- Average mode: calculates the average strength from two hand movements
- Counting mode: counts the number of presses which exceed a previously-defined strength limit

STANDARD

 BATT

 UNIT

 1 DAY

 2 YEARS
GUARANTY

OPT.

 ISO
+4 DAYS

Model	Measuring range [Max] kg	Readout [d] kg		Option ISO Calibration	
				KERN	
MAP 80K1	80	0.1		961-167	

Hanging scale



CH | Convenient and always handy

- To determine the weight of loads which are to be moved by people
- Multi data hold function
- Peak-load display (Peak hold), measuring frequency 5 Hz
- Tape measure, extractable, length approx. 100 cm
- Hook (stainless steel)
- Ready for use: 9V block included
- AUTO-OFF function
- Further weighing units: kg, lb, N
- Housing dimensions WxDxH 90x30x175 mm
- LCD display, digit height 12 mm

STANDARD



STANDARD



OPT.



Model KERN	Measuring range [Max] kg	Readout [d] g	Total height mm	Option DKD Calibration	
				KERN	
CH 15K20	15	20	270	963-128	
CH 50K50	50	50	270	963-128	
CH 50K100	50	100	270	963-128	

Universal transport case



MPS-A09 | Universal transport case

- Sturdy transport case to protect the item during transportation and storage
- **Universal inlay** with foam components
- **Internal dimensions:** WxDxH 425x315x65 mm

KERN MPS-A09,

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.



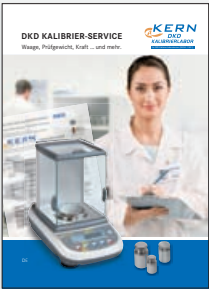
Medical scales catalogue

Complete line of medical scales, from infant scales to professional patient scales, chair scales and obesity scales, as well as innovative hand grip dynamometers, pharmaceutical scales, and veterinary scales.



SAUTER measuring equipment catalogue

Test instruments for industry and commerce, such as force, coating thickness, material thickness, and hardness measuring systems.



KERN DKD calibration service brochure

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