GB

KERN®

ACCESSORIES

PROFESSIONAL MEASURING

2016

KERN Pictograms

Internal adjusting:
Quick setting up of the balance's accuracy with internal adjusting weight (motordriven).

Adjusting program CAL:
For quick setting up of the balance's accuracy. External adjusting weight required.

Memory:
Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.

Alibi memory:
Electronic archiving of weighing results, complying with the 2009/23/EC standard.
For details see page 214

Data interface RS-232:
To connect the balance to a printer, PC or network.

RS-485 data interface:
To connect the balance to a printer, PC or other peripherals. High tolerance against electromagnetic disturbance.

USB data interface:
To connect the balance to a printer, PC or other peripherals.

Bluetooth* data interface:
To transfer data from the balance to a printer, PC or other peripherals.

WLAN data interface:
To transfer data from the balance to a printer, PC or other peripherals.

Control outputs (optocoupler, digital I/O):
To connect relays, signal lamps, valves, etc.

Interface for second balance:
For direct connection of a second balance.

Network interface:
For connecting the scale to an Ethernet network. With KERN products you can use a universal RS-232/LAN converter.
See page 180

Wireless data transfer:
between the weighing unit and the evaluation unit using an integrated radio module.

GLP/ISO log:
The balance displays the weight, date and time, regardless of a printer connection.

GLP/ISO log:
With weight, date and time. Only with KERN printers, see "Accessories", see page 177.

Piece counting:
Reference quantities selectable. Display can be switched from piece to weight.

Recipe level A:
Separate memory for the weight of the tare container and the recipe ingredients (net total).

Recipe level B:
Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display.

Recipe level C:
Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode.

Totalising level A:
The weights of similar items can be added together and the total can be printed out.

Totalising level C:
Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, adjustment of recipe when dosages are exceeded, multiplier function, barcode recognition.

Percentage determination:
Determining the deviation in % from the target value (100 %).

Weighing units:
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.

Weighing with tolerance range:
Upper and lower limiting values can be programmed individually for e.g. dosing, sorting and portioning

Hold function:
(Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value.

Protection against dust and water splashes IPxx:
The type of protection is shown in the pictogram. For details see the glossary.
See page 72.

ATEX explosion protection:
Suitable for use in hazardous industrial environments, in which there is explosion danger. The ATEX marking is specified for each device.

Stainless steel:
The balance is protected against corrosion.

Suspended weighing:
Load support with hook on the underside of the balance.

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

Rechargeable battery pack:
Rechargeable set.

Universal mains adapter: with universal input and optional input socket adapters for
A) EU, GB
B) EU, GB, CH, USA
C) EU, GB, CH, USA, AUS

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

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

Weighing principle: Strain gauges
Electrical resistor on an elastic deforming body.

Weighing principle: Tuning fork
A resonating body is electromagnetically excited, causing it to oscillate.

Weighing principle: Electromagnetic force compensation
Coil inside a permanent magnet. For the most accurate weighings.

Weighing principle: Single cell technology
Advanced version of the force compensation principle with the highest level of precision.

Verification possible:
The time required for verification is specified in the pictogram.

DAkkS calibration possible (DKD):
The time required for DAkkS calibration is shown in days in the pictogram.

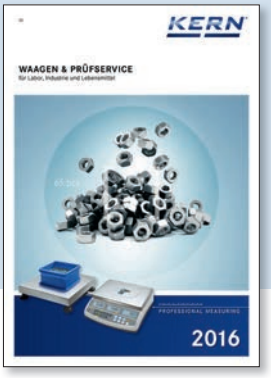
Package shipment:
The time required for internal shipping preparations is shown in days in the pictogram.

Pallet shipment:
The time required for internal shipping preparations is shown in days in the pictogram.

Warranty:
The warranty period is shown in the pictogram.

*The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by KERN & SOHN GmbH is under license. Other trademarks and trade names are those of their respective owners.

KERN – measuring technology and testing services from a single source

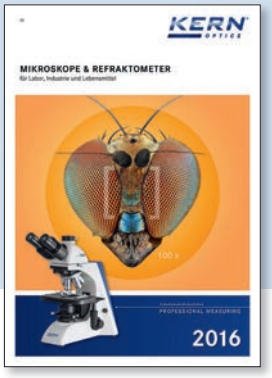


Balances & Test service catalogue

Provides a complete overview of the KERN line of balances, test weights, and services, 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 dynamometres, 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.

KERN DAkkS calibration service brochure

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

KERN flyer Special offers

Compact overview of our bestselling products – just the balances/ measuring instruments/microscopes your customers need! Can be customised to suit your requirements.

The gnome guide

Travel report from KERN, the famous scientific gnome, who travelled all over the world, in order to illustrate the physical law of gravitational force. Ideal for use in school education – please request, it's free of charge.

170 years of KERN

Interesting and readable overview of the history of the origins of Southern German balance manufacturing, as well as the company history, which stretches right back to 1770 – please request, it's free of charge.

Your advantages

1 **Quick Delivery**
Items in stock are sent the same day if orders are placed before 1:00 pm (valid for parcel service delivery within the EC).

2 **Price performance ratio**
KERN scales are always an inexpensive alternative. They are durable, uncomplicated and easy to place into operation.

3 **Direct dispatch**
of ordered goods to your customer is available, with personalised delivery note if desired (please ask), invoice will be issued to you (third party business).

4 **3 years warranty**
Items under € 400,– : 2 years

5 **No stock-keeping necessary.**
KERN does the warehousing for you.

6 **Sale or return**
within 14 days of purchase.

WLAN interface

Printers

Stands

Weighing table

Tare pans

USB keyboard

Protective dust cover

Relay output

Transport case

Wall mount

Large displays

Barcode scanner

Foot switch

Interface cable

Second display

Digital I/O interface

Printers

Important note for printer orders: Please state your balance model when ordering, so that the printer can be preconfigured in the factory to suit your balance.

STANDARD

RS 232 | 230 V

KERN 911-013

Matrix needle printer

For printing weighing results on normal paper, which is ideal for long-term archiving.

- Dimensions housing: WxDxH 100x180x106 mm
- Interface cable not included with delivery

Technical data

- Needle print
- Speed: 1,8 line/sec
- Max. 40 characters per line
- Paper stripes: 57 mm wide
- Operation via mains adapter 230V/50Hz (standard EU), as standard

Price printer without interface cable, KERN 911-013, **€ 330,-**

Accessories

- Paper rolls (10 pcs.), KERN 911-013-010, **€ 35,-**
- Universal mains adapter, standard EU/GB, USA, KERN ABS-A01, **€ 72,-**

STANDARD

RS 232 | B MULTI

KERN YKN-01

Matrix needle printer

For printing weighing results on normal paper, which is ideal for long-term archiving.

- Dimensions housing: WxDxH 158x106x40 mm
- Interface cable not included with delivery

Technical data

- Needle print
- Speed: 1 line/sec
- Max. 16 characters per line
- Paper stripes: 44 mm wide
- Operation via mains adapter 230V/50Hz, as standard

Price printer without interface cable, KERN YKN-01, **€ 225,-**

Accessories

- Paper rolls (5 pcs.), KERN YKN-A01, **€ 35,-**

STANDARD

RS 232 | GLP INTERN | B MULTI

KERN YKB-01N

Thermal printer

For printing weighing results, recipes, quantities etc. or for GLP record keeping of balance adjustment with date and time print. Language versions: DE, GB, FR.

- Dimensions housing: WxDxH 165x140x50 mm
- Interface cable not included with delivery

Technical data

- Thermal print
- Speed: 0,75 lines/sec
- Max. 40 characters per line
- Paper stripes: 112 mm wide
- Operation via mains adapter 230V/50Hz, as standard

Price printer without interface cable, KERN YKB-01N, **€ 325,-**

Accessories

- Paper rolls (10 pcs.), KERN YKB-A10, **€ 55,-**

Individual header data:
For printers **KERN YKN-01, YKB-01N** the free software **KERN SHM-01** (see www.kern-sohn.com) can be used to print 4 header lines on the printout (see marking on balance).
Compatible models: KERN 440, DE, FCB, FKB-A, PCB, PCD.

STANDARD

RS 232 | GLP INTERN | B MULTI

KERN YKS-01

Thermal statistics printer

For printing weighing results, recipes etc. or for GLP record keeping of weighing data with date and time print (not in combination with KERN counting scales or KERN MLS, MLB moisture analysers).
Numerator; with statistical functions such as count and total of all measurements, minimum and maximum values of the main unit, range (Max-Min), average value, standard deviation, available units: mg, g, kg, pcs. Language versions: DE, GB, FR.

Technical data

- Thermal print
- Speed: 0,75 lines/sec
- Max. 40 characters per line
- Paper stripes: 112 mm wide
- Operation via mains adapter 230V/50Hz (standard)
- Dimensions: WxDxH 165x140x50 mm
- Interface cable not included with delivery

Price printer without interface cable, KERN YKS-01, **€ 390,-**

Accessories

Paper rolls (10 pcs.), KERN YKB-A10, **€ 55,-**

STANDARD

RS 232 | B MULTI

NEW

KERN YKE-01

Thermal label printer

Affordable universal label printer to print out weighing results on thermal labels, compatible with all KERN 2016 balances. ASCII-capable.

Technical data

- Thermal print
- Speed: 22 mm/s
- Max. 82 characters per line
- Paper stripes: 112 mm wide
- Operation via mains adapter 230V/50Hz, as standard
- Dimensions housing: WxDxH 150x155x65 mm
- Interface cable not included with delivery

Price printer without interface cable, KERN YKE-01, **€ 590,-**

Accessories

- Paper roll (1 pc.), Dimensions labels: WxD
  51x30 mm, 290 labels: KERN YKE-A01, **€ 60,-**
  73x61 mm, 140 labels: KERN YKE-A02, **€ 60,-**
  105x48 mm, 65 labels: KERN YKE-A03, **€ 60,-**

STANDARD

BT

KERN YKC-01

Bluetooth thermal printer

For printing weighing results, recipes, etc. or for GLP record keeping of weighing data. Suitable for wireless connection to compatible, Bluetooth-enabled balances (Kern: DLT-N or all models with RS-232 data interface in combination with RS-232/Bluetooth adapter KERN YKI-02), dynamometers, etc.

Technical data

- Thermal print
- Speed: 60 mm/sec
- Max. 42 characters per line
- Paper stripes: 57 mm wide
- Operation via mains adapter 230V/50Hz, as standard
- Dimensions housing: WxDxH 85x113x57 mm
- Interface cable not included with delivery

Price printer without interface cable, KERN YKC-01, **€ 690,-**

Accessories

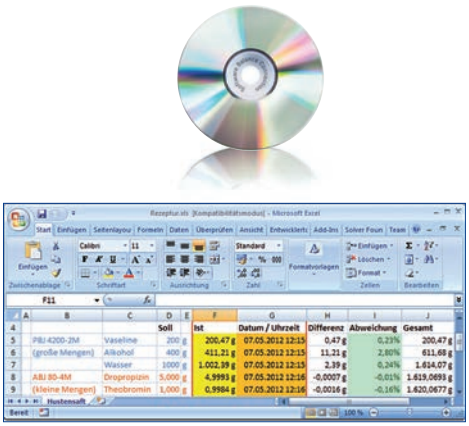
Paper rolls (10 pcs.), KERN YKC-A01, **€ 35,-**

Interface cable for RS-232

For direct connection to a printer or PC, cable length approx. 1.5 m. The interface parameters can be set using the balance keypad.

Note:
The interface cable is **free of charge** if you purchase balance, printer or Ethernet-/ WLAN-/Bluetooth adapter together.

Printer, ... → / Balance ↓	PC, YKI-01/-02/-03 Product code	911-013, YKE-01, YKB-01N, YKN-01 Product code	YKS-01 Product code	Cable Price excl. of VAT ex works €
440, 572, 573, ALJ-AM, ALS-A, ALT-B, CDS, CKE, DE-D, DS, EMB-V, FCB, FKB, FKB-A, FKT, FKTF, IKT, KB, PCB, PCD, PKS, PKT, PLJ-A, PLJ-F, PLS-A, PLS-F, PLE, PLT	572-926			46,-
DBS, DLB, DLT, DAB	572-926		–	
BFA, BFB, EWJ, GAB-N, GAB-P, IFB, KFB-TM, NFB, PFB, UFB	CFS-A01			
BFS, CCS, CFS, CPB KFS-TM, IFS (from year of production 2015)	CFS-A01		–	
EG-N, EW-N	474-926		–	
PEJ, PES (printer connection unidirectional)	–	474-926		
PEJ, PES (printer/PC connection bidirectional)	MLB-A05			
ADB, AEJ-CM, AEJ-NM, AES-C, AES-N, AET, CCP, ILJ-C, ILS-C, ILT, PET, PLJ-C, PLJ-G, PNJ, PNS	MLB-A05			
KFS-T, MLS-D	MLB-A05		–	
HFT	KFF-A01			
ABT-N, PBJ, PBS	770-926			
ABJ-NM, ABS-N	ACS-A01			75,-
CCT	KET-A09			120,-



KERN SCD-4.0

Balance Connection Software

For the direct transmission of weighing data to Windows applications (operating systems Windows XP, Vista, 7, 8, 10).
New: many additional applications, which will help to make the daily work with your balance easier.

- Transfer via RS-232, Bluetooth, LAN or WLAN (TCP/UDP/IP) to applications or files on the PC or in networks, e.g. to MS Excel, Access or Word
- Background transfer at the touch of a key or on a time-controlled basis
- Any output formatting of the transferred data is possible
- Any sequence, if applicable, calculations are possible, etc.
- Automatic file-naming
- Recording of date and time for every value transferred
- Several output options (e.g. On-Screen display, Excel and file), is also possible simultaneously
- Parallel recording of data from several balances in a table simultaneously
- Large display of the latest recorded value on the display, for maximum transparency
- The interface protocols for KERN balances are already predefined
- Interface cable included. Please specify balance model when ordering (see interface cable table)

Benefits:

- Typing errors during e.g. manual transfer are avoided
- Automatic recording, e.g. for long-term tests
- GLP-compliant lab software

KERN SCD-4.0, **€ 150,-**

KERN PET-A16

Alibi memory software

Alibi memory software for viewing and saving data from the alibi memory onto a PC connected to the system, suitable for series

KERN AEJ-C, ILJ-C, PLJ-C,

KERN PET-A16, **€ 300,-**

KERN PLJ-A06

WLAN interface

WLAN interface for wireless connection of the balance to networks and WLAN capable devices, such as tablets, laptops, smartphones or networks, must be ordered at purchase,

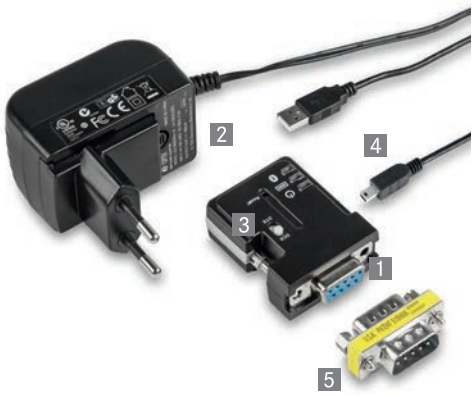
suitable for series KERN AEJ-C, AES-C, ILJ-C, ILS-C, PLJ-C,

KERN PLJ-A06, **€ 135,-**

16

STANDARD

RS 232 | BT



KERN YKI-02

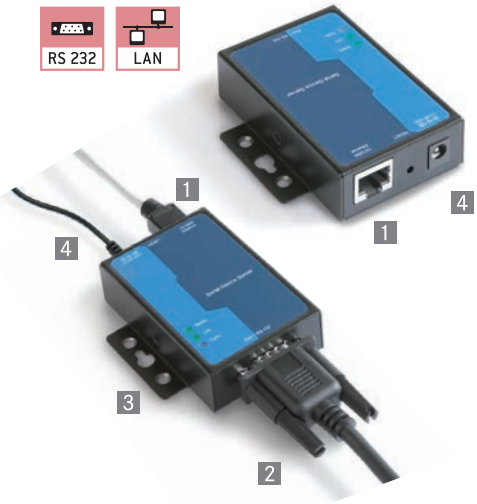
RS-232 / Bluetooth adapter

Adapter for the wireless connection of balances, force measuring devices etc. with an RS-232 interface to Bluetooth devices, such as Bluetooth printers (e.g. KERN YKC-01), tablets, laptops, Smartphones etc. In this way, where there is a physical separation or a large distance between the devices, the weighing data from one or several balances can be easily sent without cable and printed on a Bluetooth printer or transferred to a Bluetooth device (you would need the relevant software on the Bluetooth device, not included with the delivery). The compact adapter with its attractive design can usually be connected directly to the balance 1, e.g. an additional interface cable would not be necessary. Bluetooth adapter will be powered by the balance (if compatible) or with the mains adapter which is supplied as standard 2.
Range up to 100 m outside, depending on obstacles, such as, walls, the sensitivity and type of antenna of the receiver. Intersections of sending and receiving lines using the DCE/DTE switch 3. **Compatible with KERN BalanceConnection software.**
Scope of delivery: RS-232/Bluetooth adapter, mains adapter (EU/UK/USA/AUS/CH) 2, USB-A to Mini-USB-B cable 4, gender changer 5, driver CD.
(Interface cable see page 179)

KERN YKI-02**, € 260,-**

STANDARD

RS 232 | LAN



KERN YKI-01

RS-232 / Ethernet adapter

Adapter to connect balances, force measuring devices etc. with an RS-232 interface 2 to an IP-based Ethernet network 1. The adapter allows direct integration of measuring devices into most company networks, with automatic configuration using DHCP or statistical IP allocation. You can access the current measuring data at any time from within the whole network, without having to use additional cables. The adapter supports a wide range of configurational options using the enclosed administration software or by the web interface. The driver delivered with the goods allows you to access the measuring device with existing, non-network-compatible applications using a virtual COM port. **Compatible with KERN BalanceConnection software.** DIN track mount 3 or free-standing.
Scope of delivery: RS-232 Ethernet adapter with 1x Port RS-232 1, mains adapter 4, CD (driver, software, operating instructions), adhesive feet.
Price interface cable incl., (please provide balance model in order),

KERN YKI-01**, € 390,-**

▲
Note: To connect to your network, you will need information from your network administrator. We recommend discussing connecting your device into your network with the administrator before you place your order.
▼

STANDARD

RS 232 | WLAN | LAN

KERN YKI-03

RS-232 / WLAN adapter

High-quality adapter for the wireless connection of balances, force measuring devices etc. with RS-232 interface to WLAN-enabled devices, such as tablets, laptops, Smartphones etc. In this way, where there is a physical separation or a large distance between the devices, the weighing data from one or several balances can be easily transferred without cable to a WLAN device or a network (relevant software on the WLAN device needed, not included in delivery). The adapter allows direct integration of measurement devices into most company networks, with automatic configuration using DHCP or statistical IP allocation. You can access the current measuring data at any time from within the whole network, without having to use additional cables. The adapter supports a wide range of configurational options using the enclosed administration software or by the web interface. The driver delivered with the goods allows you to access the measurement device with existing, non-network-compatible applications using a virtual COM port. Compatible with **KERN Balance Connection Software**. The adapter also has an Ethernet interface for a wired connection to an IP-based Ethernet network 1. Thanks to the screw terminals 2, the power connection can be implemented individually using individual wires or using the robust, screw-in power connector 3. Large input voltage range from 12 V–48 V. Suitable for wall mounting and DIN track mount 4 or free-standing.
Scope of delivery: RS-232/WLAN adapter, mains adapter, network cable (1 m), driver CD.
(Interface cable see page 179)

KERN YKI-03**, € 780,-**

KERN YKD-A02

Large display

with superior display size, digit height 3” (76 mm). Luminescent, red LED display for easy reading of weight, even from a distance or under poor lighting conditions. 6 segments, mains connection as standard (230 V, EU/GB), connection using RS-232 data interface, dimensions WxDxH 541x55x180 mm.

Suitable for series IFB, BFB, NFB, UFA, UFB,

KERN YKD-A02, **€ 215,-**

KERN CFS-A03

Signal lamp

Signal lamp for visual support of weighing with tolerance range. Three-colour LED, red, green, yellow. Power supply via balance using RS-232. Total dimensions WxDxH 100x180x300 mm

Suitable for series BFB, BFN, CPB-N, GAB-N, GAB-P, IFB, KFB-TM, NBB, NFB, NFN, SFB, UFA, UFB, UFC, UFN,

KERN CFS-A03, **€ 250,-**

KERN CFS-A04

2nd RS-232 data interface

separate Y cable, e.g. for simultaneous connection of a printer, signal lamp etc. Suitable for series BFB, CPB-N, CFS, GAB-N, GAB-P, IFB, KFB-TM, NFB, UFA, UFB, SFB, BAN, UFN, NFN

KERN CFS-A04, **€ 35,-**

KERN AFH 12

RS-232/USB adapter

to connect peripheral devices with USB connection, fits on all balances and measuring instruments with RS-232 port.
Scope of delivery:
Converter cable, CD with driver,

KERN AFH 12, **€ 85,-**

KERN AFH 14

2 x RS-232/USB adapter

to connect peripheral devices with USB connection, fits on all balances and measuring instruments with RS-232 port.
Scope of delivery:
Converter cable, CD with driver,

KERN AFH 14, **€ 65,-**

KERN YKA-02

Power supply adapter set

from standard EU to GB/US/AUS/CH etc. Four pieces. Ideal for devices with Class II protection (not earthed). Ideal for Euro moulded plug,

KERN YKA-02, **€ 30,-**

NEW

KERN YKP-01

Stand (tripodal)

stable and robust, to elevate display device, stainless steel, height-adjustable, height of stand approx. 750–1000 mm, Factory Option.

Suitable for series SFB (from weighing plate size WxD 500x400 mm), BFA, BBB, BFN, BBN, KEN-TM, UFN, NFN,

KERN YKP-01, **€ 360,-**

NEW

KERN YKP-02

Stand (tripodal)

stable and robust, to elevate display device, stainless steel, height-adjustable, height of stand approx. 750–1000 mm, Factory Option.

Suitable for series SFE, IFS, IFB, BFB, BXS, BFS, BFA, BBB, BBN, UFA, UFB, UFC, NFB, NBB, KFE-TM, KXG-TM, KXS-TM, KEN-TM,

KERN YKP-02, **€ 210,-**

KERN KXS-A03

Foot switch

Ideal, when 2 free hands are required for application. TARE or PRINT function can be selected. For the PRINT function you will need the RS-232 interface cable KERN KXS-A04.

Must be ordered at purchase, suitable for series BAN, BXS, IXS, SXS, KXS-TM, KXG-TM.

KERN KXS-A03, **€ 70,-**

KERN RFS-A02

Tare pan

Made of stainless steel, which makes cleaning easy and hygienic. Ideal for weighing loose screws, small parts, fruit, vegetables, cheese, etc.

- WxDxH 370x240x20 mm
- Net weight approx. 524 g

KERN RFS-A02, **€ 55,-**

KERN CH-A01N

Tare pan with pan beam

Made of stainless steel. Ideal for weighing loose small parts, fruit, vegetables etc. Max. load 30 kg. Removable tare pan which makes cleaning easy and hygienic. Suitable for models KERN CH 15K20, HCB 20K10, HCN 20K50IP, HDB-N.

- Dimensions: Tare pan Ø/H 273x40 mm
- Pan beam: WxDxH 320x273x300 mm
- Total dimensions: WxDxH 320x273x340 mm
- Total net weight approx. 1000 g

KERN CH-A01N, **€ 67,-**

KERN RFB-A02

Sturdy transport case

for the safe transport and storage of series WTB-N, RFB, lockable.
Inner dimensions WxDxH 330x290x117 mm, total dimensions WxDxH 510x360x220 mm,

(scale not included with delivery!)

KERN RFB-A02, **€ 95,-**

KERN MPS-A07

Sturdy transport case

for the safe transport and storage of series EOE, EOB scales with weighing plate size ≤ 315x305mm without stand, inner dimensions WxDxH 425x315x65 mm, net weight approx. 2,2 kg,

(scale not included with delivery!)

KERN MPS-A07, **€ 115,-**

KERN ABS-A08

Protective dust cover

For protection from dust and light. Suitable for all KERN analytical balances and precision balances with glass draught shield, except

KERN ADB, AET 100-5AM, AET 200-5DAM

KERN ABS-A08, **€ 30,-**

KERN YDB-03

Universal density set

Universal density set for precise and convenient density determination of liquids and solids ≤/≥ 1. Suitable for all KERN analytical balances.
Scope of delivery**:** Beaker, thermometer, sample holder, adapter, equalising weights, volume plummet (stainless steel, 20 g), universal submersible basket for solid bodies which float and sink. The wire of the submersible basket has a diameter of 0.5 mm and therefore complies with the requirements of DIN EN ISO 1183-1 (Test methods for the determination of density of non-foamed plastics),

KERN YDB-03**, € 520,-**

KERN 962-335V

Density determination of the volume plummet

The density of the enclosed steel volume plummet can be determined by using the universal density set to measure solids. We would be pleased to determine the density of the volume plummet for you quickly and at a reasonable price in our DAkkS calibration laboratory.

You will receive a calibration certificate with all data relating to the density and volume,

KERN 962-335V**, € 143,-**

KERN YBI-01

Ioniser to neutralise electrostatic charge

Weighing items which are non-conductive, such as plastic, china, glass, etc often carry electrostatic charge. The electromagnetic field which then occurs between the items and the balance can cause the weighing result to be distorted by up to a gramme.

Therefore, when weighing in milligrammes or even smaller increments, we recommend neutralising the electrostatic charge with the KERN AC-Korona discharge ioniser.

With the mount, 1 conveniently next to the balance or you can manually direct it from all sides onto a particular weighing item 2.

- Neutralisation ± 20V
- Discharge of ozone 0,04 ppm/h
- Dimensions WxDxH 97x53x31 mm, WxDxH 190x60x110 mm incl. mount
- Net weight approx. 0,11 kg approx. 0,55 kg incl. mount
- Mains connection110-230V/50Hz, AC power supply, 12V DC output

KERN YBI-01**, € 1350,-**

STANDARD

2 DAYS

KERN YPS-03

Weighing table

Accurate measuring results require stable working conditions! The KERN YPS-03 weighing table has been constructed to absorb vibrations and oscillations, which would otherwise distort the weighing result.

The YPS-03 weighing table consists of:
- Polished granite plate (34 kg) as integrated working surface, positioned on absorbing rubber components
- Work table with steel profile frame and height-adjustable feet
- Total dimensions WxDxH 770x650x815 mm
- Dimensions granite plate WxD 270x410 mm
- Net weight approx. 55 kg (scale not included with delivery!)

! Dispatch complete on pallet. Please ask for dimensions, gross weight, shipping costs,

KERN YPS-03**, € 900,-**

KERN PET-A01/KERN KET-A04

Software for database management

for easy maintenance of item data at the PC, such as, e.g., creating item detail links, capturing or deleting item data, creating item text etc. Data of the following categories can be edited: customers, stocks, universal variables, labels, packaging, users, products. Data transfer to the balance using the interface cable (included as standard in the delivery with the balance),

For series KERN AET, PET:
KERN PET-A01, **€ 300,-**
For series KERN ILT:
KERN KET-A04, **€ 300,-**

STANDARD

RS 232

PET-A05

PET-A09

KERN PET-A05/KERN PET-A09

Barcode scanner

ergonomically optimised hand-held version, for connection to an RS-232 interface. Particularly robust and durable. Scratchproof scan window made of hardened glass. Large working area: data collection is possible up to a distance of 43 cm, dimensions WxDxH 152x84x63 mm,

Scope of delivery: barcode scanner, interface cable, mount,

RS-232 version: KERN PET-A05, **€ 350,-**
USB version: KERN PET-A09, **€ 350,-**

STANDARD

RS 232 USB

KERN PET-A13

Direct thermal label printer

very quiet and very quick, print speed of 150 mm/sec, maximum print width: 104 mm, maximum print length: 812 mm, internal power supply, interfaces: USB, RS-232. Especially suitable for the logistics industry, the pharmaceutical industry and in the retail sector. Dimensions WxDxH 231x289x186 mm. Scope of delivery: Printer, USB interface cable, labeling software.

Suitable for series KERN KERN AET, BBB, BBN, CCP, CCT, ILT, KEN-TM, KET-TAM, PET,

KERN PET-A13, **€ 980,-**

Accessories

- Paper roll (1 pcs.),1450 direct thermal labels, Dimensions labels WxD 100x50 mm, outer diameter label roll 120 mm,
  KERN PET-A12, **€ 65,-**

STANDARD

RS 232 USB

KERN PET-A14

Thermal transfer and direct thermal label printer

very quiet and very quick print speed of 101.6 mm/sec, maximum print width: 104 mm, maximum print length: 812 mm, internal power supply, interfaces: USB, RS-232. Especially suitable for the food, chemical and pharmaceutical industries. Software for easy editing of (adhesive) labels included with delivery. The sample labels can be sent to the balance as well as the printer. The sample labels can be sent to the balance as well as the printer. Dimensions WxDxH 231x289x270 mm. Scope of delivery: Printer, USB interface cable, labeling software.

Suitable for series KERN AET, BBB, BBN, CCP, CCT, ILT, KEN-TM, KET-TAM, PET,
KERN PET-A14, **€ 1000,-**

Accessories

- Paper roll (1 pcs.), 1500 direct thermal labels, dimensions labels WxD 100x50 mm, outer diameter label roll 120 mm,
  KERN PET-A10, **€ 80,-**
- Paper roll (1 pcs.), 1450 direct thermal labels, dimensions labels WxD 100x50 mm, outer diameter label roll 120 mm,
  KERN PET-A12, **€ 65,-**

NEW

KERN PET-A17

Cable with special length 3 m

between the display and the weighing unit, for verified models this cannot be ordered afterwards, suitable for series KERN AET, PET.

KERN PET-A17, **€ 250,-**

KERN ILT-A03

Cable with special length 15 m

between display device and platform, for verified models this cannot be ordered afterwards, suitable for series KERN ILT.

KERN ILT-A03, **€ 250,-**

STANDARD

RS 232

KERN PET-A03/KERN KET-A03

Second display

Ideal for training and demonstration purposes in laboratories or industry. Large backlit LCD display with digit height 25 mm.
KERN KET-A03: 6 segments, KERN PET-A03: 8 segments. 2 additional data interfaces RS-232. Interface cable to the balance, length approx. 1,5 m, as well as mains adapter standard.

Dimensions WxDxH 150x58x100 mm.

For series KERN AET, PET:
KERN PET-A03, **€ 210,-**
For series KERN ILT:
KERN KET-A03, **€ 210,-**

STANDARD

RS 232 RS 485 IP 66

KERN KET-A06

Large display

with superior display size, digit height 4,4" (117.7 mm). Luminescent LCD display for easy reading of weight, even from a distance or under poor lighting conditions. Ready for wall mounting. 6 segments, mains connection as standard (230 V, EU / GB). Connection to the balance using the RS-232 or RS-485 interface. Stainless steel housing IP66 protection.

Dimensions WxDxH 541x55x180 mm.
Suitable for series KERN BBB, BBN, ILT-GM, KET-TAM.

KERN KET-A06, **€ 1450,-**

KERN KET-A10

Signal lamp

Signal lamp for visual support of weighing with tolerance range. Three-colour LED, red, green, yellow. Power supply via balance using RS-232. Total dimensions WxDxH 100x180x300 mm. Scope of delivery: Signal lamp CFS-A03, adapter cable KET-A11.

Suitable for series KERN ILT-BAM, ILT-GAM, KET-TAM.

KERN KET-A10, **€ 270,-**

STANDARD

USB

KERN PET-A06

USB keyboard

For easy capture of item data at the balance, for connection to a USB interface. 105 keys, separate numeric keypad, black housing, Dimensions WxDxH 440x128x24 mm.

Suitable for series KERN AET, PET, BBB, BBN, ILT, KET-TAM, KEN-TM.

KERN PET-A06, **€ 45,-**

16

KERN KET-A01

Analogue/Digital converter

to connect up to two platforms to the display device, suitable for series KERN BBB-N, BBN, ILT-BAM, ILT-GAM, KET-TAM,

KERN KET-A01, **€ 350,-**

KERN KEN-A06

Analogue module

for control and warning tasks etc. depending on a specific, defined weight, e.g. when dispensing. Output voltage 0-10V, suitable for series KERN BBB, KEN-TM,

KERN KEN-A06, **€ 350,-**

KERN KEN-A07

Relay output

with 4 outputs for weighing in 2 tolerance ranges, cannot be ordered afterwards, suitable for series KERN BBB, KEN-TM,

KERN KEN-A07, **€ 180,-**

KERN KEN-A08

Digital I/O interface (8 in/8 out)

e.g. to control machines, plant, relays, signal lamps, valves etc., suitable for series KERN BBB, KEN-TM,

KERN KEN-A08, **€ 600,-**

KERN KEN-A09

Profibus module

for integrating a KERN balance into a Profibus network, suitable for series KERN BBB, KEN-TM,

KERN KEN-A09, **€ 250,-**

KERN KET-A02

Wall mount

to fit the display device (see Fig.), the display device can be fitted at two angles, dimensions WxDxH 135x148x110 mm, suitable for series KERN ILT-BAM, ILT-GAM, KET-TAM,

KERN KET-A02, **€ 190,-**
(Display device is not included with the delivery)

KET-A05/KET-A08

Transponder card reader

RFID technology, dimensions WxDxH 133x30x98 mm, suitable for series KERN AET, BBB, BBN, CCP, CCT, ILT-BAM, ILT-GAM, ILT-NM, KET-TAM, KEN-TM, PET.
Scope of delivery: transponder card reader, interface cable for connecting to the digital I/O interface. Transponder cards are not included with the delivery.

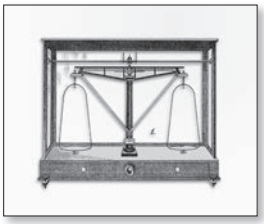
KERN KET-A05, **€ 450,-**

Transponder cards for transponder card reader KET-A05, pack of 10 pcs.,

KERN KET-A08, **€ 65,-**

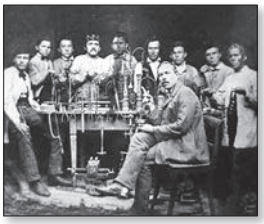
Tradition and innovation for more than 170 years

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/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

Our Tip

Come to see the Museum of scale and weight ...

How a scale learned to weigh! Come and experience KERN history in the Zollernschloss at Balingen ...

www.balingen.de
➔ "Kultur"

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KERN – Tradition and Innovation for over 170 years

An independent family business, KERN since already 7 generations is synonymous with quality and reliability in customer service.

fast

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

reliable

- 3 years warranty for balances over € 400,–
- Precision in weighing technology for more than 170 years

competent

- DAkkS accreditation DIN EN ISO/IEC 17025
- Certified QM system DIN EN ISO 9001:2008
- Authorisation for initial verification by the manufacturer 2009/23/EC
- Medical certifications DIN EN ISO 13485 and 93/42/EEC

versatile

- One-stop shopping: from pocket balances through to floor scales – everything from one supplier
- Find the product you want at lightning speed with the "Balance Quick-Finder" at www.kern-sohn.com

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www.kern-sohn.com
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KERN & SOHN GmbH
Balances, Test weights, DAkkS Calibration laboratory
Ziegelei 1
72336 Balingen
Germany

Tel. +49 [0] 7433 9933-0
Fax +49 [0] 7433 9933-149

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

Quality Management ISO 9001:2008

APPROVAL FOR MANUFACTURE OF MEDICAL PRODUCTS EN 13485 and 93/42/EEC

AUTHORISATION FOR INITIAL VERIFICATION BY THE MANUFACTURER 2009/23/EC

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Member