



PRICE COMPUTING SCALES


Laboratory | Industry | Food Industry





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


 **EasyTouch**
Suitable for the connection, data transmission and control through PC or tablet


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


 **Alibi memory**
Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.


 **KERN Universal Port (KUP)**
allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WIFI, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort


 **RS-232 Data interface**
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. Suitable for data transfer over large distances. Network in bus topology is possible


 **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

 **WIFI 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.


 **Analogue interface**
to connect a suitable peripheral device for analogue processing of the measurements


 **Interface for second balance**
For direct connection of a second balance


 **Network interface**
For connecting the scale to an Ethernet network


 **KERN Communication Protocol (KCP)**
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


 **GLP/ISO log intern**
The balance displays weight, date and time, independent of a printer connection


 **GLP/ISO log Printer**
With weight, date and time. Only with KERN printers.


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


 **Recipe level A**
The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out


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


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


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


 **Weighing units**
Can be switched to e.g. nonmetric units. See balance model. 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 sorting and dosing. The process is supported by an audible or visual signal, see the relevant model


 **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


 **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 plug-in power supply**
with universal input and optional input socket adapters for
A) EU, CH, GB
B) EU, CH, GB, US
C) EU, CH, GB, US, AUS


 **Plug-in power supply**
230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available


 **Integrated power supply unit**
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

 **Conformity Assessment**
The time required for conformity assessment is specified in the pictogram

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

 **Factory calibration (ISO)**
The time required for Factory 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

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KERN Quick-Finder

How I quickly find the product I am looking for

Ahead of each product group allows you to base the search for a certain target group on weighing data you need such as readout, weighing capacity and main features for each model.

And it's as simple as that – find the product you want in 2 steps:

1. Go to the product group index on page 3
2. Pick the appropriate product group and find the product you want using the Quick-Finder



8 Robust retail scale with large item memory and user-friendly handling, verification optional

Application examples:

- Retail shops
- Weekly markets
- Farm shops
- Fruit and vegetable sales

Note: Official verification is mandatory for commercial trade

Features

- **1** KERN RIB-HM: Elevated display backlit, height of stand approx. 405 mm
- **2** KERN RIB-M: Second display on the back of the balance
- Three displays for weight display (verifiable), unit price, total price
- 10 direct price keys for frequently recurring article prices
- Memory (PLU) for 20 article prices
- Energy management: Backlight turns off after 5 sec, can be switched off
- Soil-resistant construction through water channels at the frame of the housing and sealing rings over the upper housing inlets
- Protective working cover included with delivery

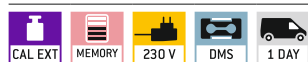
Technical data

- Large backlit LCD displays, digit height 18 mm
- Dimensions weighing surface, stainless steel, WxD 294x225 mm
- Overall dimensions WxDxH
KERN RIB-M: 325x340x115 mm
KERN RIB-HM: 325x340x405 mm
- Net weight
KERN RIB-M: approx. 3,2 kg
KERN RIB-HM: approx. 3,8 kg
- Permissible ambient temperature -10 °C/40 °C

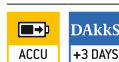
Accessories

- Protective working cover, scope of delivery 5 items, KERN RIB-A01S05, **€ 52,-**
- Internal rechargeable battery pack, operating time up to 80 h without backlight, charging time approx. 14 h, KERN GAB-A04, **€ 42,-**
- **3** Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions WxDxH 400x300x45 mm, KERN RFS-A02, **€ 75,-**

STANDARD




OPTION



FACTORY



Model	Weighing capacity	Readability	Verification value	Minimal load	Price excl. of VAT ex works €	Options				
						Verification		DAkkS Calibr. Certificate		
KERN	[Max] kg	[d] g	[e] g	[Min] g			€	DAkkS KERN	€	
	Multi-range balance, with increasing load it switches automatically to the next largest weighing range [Max] and readout [d] and when the load is fully removed, the balance switches back to the lower range									
	RIB 6K-3M	3 6	1 2	1 2	20 40	255,-	965-228	84,-	963-128	124,-
	RIB 10K-3M	6 15	2 5	2 5	40 100	255,-	965-228	84,-	963-128	124,-
RIB 30K-2M	15 30	5 10	5 10	100 200	255,-	965-228	84,-	963-128	124,-	
1 with elevated display										
RIB 6K-3HM	3 6	1 2	1 2	20 40	305,-	965-228	84,-	963-128	124,-	
RIB 10K-3HM	6 15	2 5	2 5	40 100	305,-	965-228	84,-	963-128	124,-	
RIB 30K-2HM	15 30	5 10	5 10	100 200	305,-	965-228	84,-	963-128	124,-	

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order.

The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.



Retail scale with memories for item prices

Application examples:

- Retail shops
- Weekly markets
- Farm shops
- Fruit and vegetable sales

Note: Official verification is mandatory for commercial trade

8

Features

- **1** KERN RPB-HM: Elevated display backlit, revolving on column, height of stand approx. 480 mm
- **2** KERN RPB-M: Second display on the back of the balance
- Three displays for weight display (verifiable), unit price, total price
- Memory (PLU) for 10 article prices
- Unit price can be switched from €/kg to €/100 g
- Auto-clear-key: Unit price entry is automatically set to zero when scale is unloaded
- Thanks to rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- Protective working cover included with delivery

Technical data

- Large backlit LCD displays, digit height 15 mm
- Dimensions weighing surface, stainless steel, W×D 204×263 mm
- Overall dimensions W×D×H
KERN RPB-M: 283×318×110,3 mm
KERN RPB-HM: 283×375,5×486,8 mm
- Net weight
KERN RPB-M: approx. 2,8 kg
KERN RPB-HM: approx. 3,2 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN RFC-A02S05, **€ 52,-**
- Internal rechargeable battery pack, operating time up to 60 h without backlight, charging time approx. 12 h, KERN WTB-A01N, **€ 38,-**
- Tare pan made from stainless steel, ideal for weighing loose small parts as well as fruits, vegetables, etc., overall dimensions W×D×H 400×300×45 mm, KERN RFS-A02, **€ 75,-**
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD




OPTION



FACTORY



Model	Weighing capacity	Readability	Verification value	Minimal load	Price excl. of VAT ex works €	Options			
						Verification		DAkkS Calibr. Certificate	
KERN	[Max] kg	[d] g	[e] g	[Min] g		 KERN	€	DAkkS KERN	€
Multi-division balance, with increasing or decreasing load, it switches automatically to the next largest or smallest weighing range [Max] and readout [d].									
RPB 3K3DM	1,5 3	0,5 1	0,5 1	10	265,-	965-227	65,-	963-127	103,-
RPB 6K1DM	3 6	1 2	1 2	20	265,-	965-228	84,-	963-128	124,-
RPB 15K2DM	6 15	2 5	2 5	40	265,-	965-228	84,-	963-128	124,-
RPB 30K5DM	15 30	5 10	5 10	100	265,-	965-228	84,-	963-128	124,-
1 with elevated display									
RPB 3K3DHM	1,5 3	0,5 1	0,5 1	10	285,-	965-227	65,-	963-127	103,-
RPB 6K1DHM	3 6	1 2	1 2	20	285,-	965-228	84,-	963-128	124,-
RPB 15K2DHM	6 15	2 5	2 5	40	285,-	965-228	84,-	963-128	124,-
RPB 30K5DHM	15 30	5 10	5 10	100	285,-	965-228	84,-	963-128	124,-

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order.

The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.

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