

Price computing scale KERN RIB









# Robust retail scale with large item memory, user-friendly handling and EC type approval [M]

#### Features

- III KERN RIB-HM: Elevated display backlit, height of stand approx. 530 mm, must be ordered at purchase
- 🛛 KERN RIB-M: Second display on the rear of the balance
- Three displays for weight display (verifiable), unit price, total price
- Soil-resistant construction through water channels at the frame of the housing and sealing rings over the upper housing inlets
- 10 Direct price keys for frequently recurring article prices
- Memory (PLU) for 20 article prices
- Energy management: Backlight turns off after 5 s, can be switched off
- · Protective working cover included with delivery

#### **Technical data**

- Large backlit LCD displays, digit height 18 mm
- Dimensions weighing surface, stainless steel, W×D 294×225 mm
- Overall dimensions W×D×H KERN RIB-M: 325×400×115 mm KERN RIB-HM: 325×340×405 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
- Internal rechargeable battery pack, operating time up to 80 h without backlight, charging time approx. 14 h, KERN GAB-A04
- I Tare pan made of stainless steel, ideal for weighing loose small parts, fruit, vegetables etc., W×D×H 370×240×20 mm, KERN RFS-A02

#### **Application examples**

- retail shops
- weekly markets
- farm shops
- pick your own fruit and vegetable sales

Note: Official verification duty for

commercial trade

STANDARD					OPTION	FACTORY	
CAL EXT		DMS	230 V	1 DAY	ACCU	DAkkS +3 DAYS	+3 DAYS

Model	Weighing capacity	Readability	Verification value	Minimal load		Option			
						Verification DAkkS Calibr. Cer		ertificate	
	[Max]	[d]	[e]	[Min]		MU		DAkkS	
KERN	kg	g	g	g		KERN		KERN	
Dual-range balance switches automatically to the next largest weighing capacity [Max] and readibility [d]									
RIB 6K-3M	3   6	1   2	1   2	20   40		965-228		963-128	
RIB 10K-3M	6   15	2   5	2   5	40   100		965-228		963-128	
RIB 30K-2M	15   30	5   10	5   10	100   200		965-228		963-128	
with elevated display									
RIB 6K-3HM	3   6	1   2	1   2	20   40		965-228		963-128	
RIB 10K-3HM	6   15	2   5	2   5	40   100		965-228		963-128	
RIB 30K-2HM	15   30	5   10	5   10	100   200		965-228		963-128	

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.

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#### info@ics-schneider.de www.ics-schneider.de

#### Pictograms



#### Internal adjusting: Quick setting up of the balance's accuracy with



#### Adjusting program CAL:

For quick setting up of the balance's accuracy. External adjusting weight required

internal adjusting weight (motordriven)



Easy Touch: Suitable for the connection, data transmission and control through PC, tablet or smartphone.

#### 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

#### Data interface RS-232:

Memory:

• 6550.• To connect the balance to a printer, PC or RS 232 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



balance calibration.

ment in Europe

Range of services:

characteristics) for test weights

· Calibration of force-measuring devices

# Network interface:

For connecting the scale to an Ethernet network

**KERN – Precision is our business** 

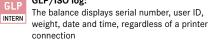


PROTOCOL

#### **KERN Communication Protocol (KCP):** 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:



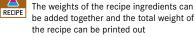
#### GLP/ISO log:

With weight, date and time. Only with KERN PRINTER printers

#### **Piece counting:**

Reference quantities selectable. Display can PCS be switched from piece to weight

#### Recipe level A:



#### Recipe level B:



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

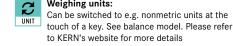
#### **Totalising level A:**

- 88' The weights of similar items can be added SUM together and the total can be printed out

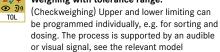
#### Percentage determination:

Determining the deviation in % from the target value (100 %)

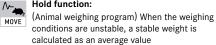
#### Weighing units:



## Weighing with tolerance range:



#### Hold function:





Protection against dust and water splashes IPxx:

The type of protection is shown in the pictogram

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To ensure the high precision of your balance KERN offers you the the appropriate test

weight in the international OIML error limit classes E1-M3 from 1 mg - 2500 kg. In combination with a DAkkS calibration certificate the best pre-requisite for proper

The KERN DAkkS calibration laboratory today is one of the most modern and bestequipped DAkkS calibration laboratories for balances, test weights and force-measure-

Thanks to the high level of automation, we can carry out DAkkS calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

· Volume determination and measuring of magnetic susceptibility (magnetic

· Conformity evaluation and reverification of balances and test weights

· Database supported management of checking equipment and reminder service

· DAkkS calibration certificates in the following languages DE, EN, FR, IT, ES, NL, PL

· DAkkS calibration of balances with a maximum load of up to 50 t

· DAkkS calibration of weights in the range of 1 mg - 2500 kg

#### Your KERN specialist dealer:

ICS Schneider Messtechnik GmbH Briesestraße 59 D-16562 Hohen Neuendorf / OT Bergfelde

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

Load support with hook on the underside of

Ready for battery operation. The battery type



Ē

UNDER

BATT

ACCU

# Mains adapter:

C) EU, CH, GB, USA, AUS

Suspended weighing:

**Battery operation:** 

Rechargeable set

is specified for each device

Rechargeable battery pack:

the balance

230V/50Hz in standard version for EU, CH. 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: М

# +3 DAYS

The time required for verification is specified in the pictogram

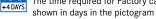


#### The time required for DAkkS calibration is +3 DAYS shown in days in the pictogram

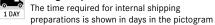


2 DAYS

Factory calibration (ISO): The time required for Factory calibration is



#### Package shipment:



preparations is shown in days in the pictogram

