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# **POCKET BALANCES**

Laboratory | Industry | Food Industry



2025

## **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

## **KERN Models A-Z**

572	31
Α	
ABP	50-51
ABP-A	52
ABT-NM	48
ACS / ACJ	46-47
ADB/ADJ	43
ADS / ADT 🚾	49
ALS-A / ALJ-A	44-45
В	
BFC	_ 120-121
BIC	117
BID	_ 118-119
BXC NEW	122
С	
CB Q1 / CB Q2 / CB P1	156
CCA	90-91
CCS	92-93
CDS	89
CE Hx	134
CFS	
CH	
CIB	
CJ P / CJ X	
CKE	87
CO Y1 / CO Y2 / CO Y5	
CP P4 / CP Y4 / CP P1 / CP Y1 / CP I	
CP P2 / CP P7 / CP P8	
CR Q1 / CR P1 / CR Y1	
CT Q1/CT P1/CT P2	
СРВ	
CXB/CXB-NM	
D	
DAB	54
DBS	55
DE	
DLB	56
DS	111
ECB-N / ECE-N	59
EFS	
EHA	
EMB	
EMB-V	
EMS	
EOB	100
EOC	
EOS EW-N / EG-N	
EWJ	

F	
FCB	61
FCE-N	60
FCF	67
FES / FEJ	
FFN	
FGE	
FKB	62
FOB-LM	68
FOB-S / FOB-NS	69
FOB / FOB-NL	70
FXN / FXN-M	
Н	
HCB	167
HCD	 169
HCN	
HDB-N/HDB-XL	
HFA	
HFC	
HFD	
HFM	
<u></u>	
IFB	110
IFC	
IFS	
IOC	106-107
IXC	106-107
IOCIXCK	106-107 112-113
IOCIXC [K KBP-V20 IP65	106-107 112-113 148
IOC	106-107 112-113 148 135
IOC	106-107 112-113 148 135 150
IOC	106-107 112-113 148 135 150 145
IOC	106-107 112-113 148 135 150 145 146
IOC	106-107 112-113 148 150 145 146 149
IOC	106-107112-113148135150145146151
IOC	106-107112-113148135150145146149151145
IOC	106-107112-113148135150145151148151148
IOC	106-107112-113148135150145151148151148
IOC	106-107112-113148150145151148149150
IOC	106-107112-113148150145151148150151150
IOC	
IOC	106-107 112-113 148 135 150 146 149 151 148 149 150 151 144
IOC	

N	
NFC 🚾	129
NIB	128
NXC NEW	130
Р	
PBJ / PBS	37
PCB	26-27
PCD	24
PCJ	28-29
PDS/PDT	38-39
PEJ / PES	36
PFB	25
PLJ / PLS	32
PNS/PNJ	33
PWS	35
R	
RIB	78
RPB	79
S	
SCD-4.0	179
SCD-4.0-PRO	180
SFB / SFB-H	76
SFE	114
SXC	74-75
Т	
rgc	9
「GD	9
U	
JFA	123
JFC 🔤	126
JIB	124
DIL	125
JXC 🚾	127
V	
/HB	161
W	
WTB	71
Υ	
YKV	133
YRO-01/-02/-03	185



## **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



# Slim pocket balance with large stainless steel weighing plate and practical tare pan

## **Features**

- High-resolution pocket balance with particularly rapid reaction and stabilisation time, which means that you can work extremely efficiently
- · Particularly flat design
- • Cover made of shock proof plastic as protection against pressure and dust. Can also be used as a tare cup
- Stainless steel weighing plate, which makes cleaning easy and hygienic
- Ready for use: Batteries included, 2×CR2032, operating time up to 8,75 h. Integrated AUTO-OFF function after 4 minutes to preserve the batteries



# Compact pocket carat balance for precision weighing of jewellery and precious stones

## **Features**

- Simple and convenient 4-key operation
- · Can be switched over from g to ct, gn, dwt, ozt, oz at the touch of a key
- Large touch-sensitive, backlit touch display with very good contrast for easy operation and convenient reading
- · Hard case cover as protection against pressure and dust
- Stainless steel weighing plate, which makes cleaning easy and hygienic
- Weighing pan standard
- Powder scale with Grain division (gn), ideal for sport shooters, reloaders etc. for self-filling cartridge cases
- USB cable for power supply as standard
- Ready for use: Batteries included,  $4\times1.5$  V AAA, operating time up to 150 h. Integrated AUTO-OFF function after 5 minutes to preserve the batteries
- 2 Delivered in single design packaging



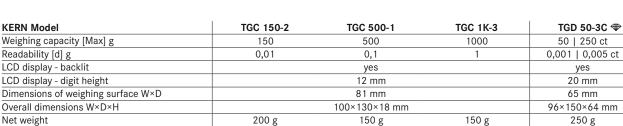


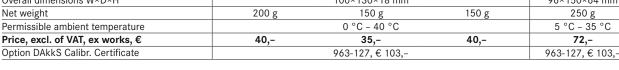












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