



VCTIO





Technical data

- Large backlit LCD display, digit height 25 mm
 Dimensions weighing surface, stainless steel,
- W×D 340×240 mm
- Overall dimensions W×D×H, 350×390×120 mm
- Optional battery operation, 4×1.5 V AA not included in scope of delivery, operating time up to 20 h
- Net weight approx. 7 kg
- Permissible ambient temperature -10 °C/40 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN FKB-A02S05
- Internal rechargeable battery pack, operating time up to 48 h without backlight, charging time approx. 8 h, KERN YKR-01
- Schnittstellenadapter USB, KERN KUP-03
- Schnittstellenadapter RS-232, KERN KUP-01
- Bluetooth interface adapter, KERN KUP-06
- WiFi interface adapter, KERN KUP-05
- Ethernet interface adapter, KERN KUP-04
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13
- 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
- Further details, plenty of further accessories and suitable printers see *Accessories*

High resolution bench scale with large weighing range and robust stainless steel weighing plate

Features

- Thanks to the high resolution of up to 360.000 points it is ideal for high-precision weighing in the industrial field
- Robust plastic die-cast housing: maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- Freely programmable weighing unit, e.g. display direct in special units such as length of wire g/m, surface weight g/m², or else
- Level indicator and levelling feet for precise levelling of the scale, fitted as standard
- Protective working cover included with delivery

STANDARD 1-% 氚 S KCP GLP -√+ ⊙ ͡͡͡͡͡͡ə) LINIT MOVE UNDER CAL EXT KIIP PROTOCOL PRINTER SHM TOL BATT



Model KERN	Weighing capacity [Max] kg	Readability [d] g	Reproducibility	Linearity g	Smallest part weight (Normal) g/piece	Resolution Points	Options DAkkS Calibr. Certificate DAkkS KERN								
								FKB 6K0.02	6	0,02	0,04	± 0,1	0,2	300.000	963-128
								FKB 8K0.05	8	0,05	0,05	± 0,15	0,5	160.000	963-128
								FKB 16K0.05	16	0,05	0,1	± 0,25	0,5	320.000	963-128
FKB 8K0.1	8	0,1	0,1	± 0,3	1	80.000	963-128								
FKB 16K0.1	16	0,1	0,1	± 0,3	1	160.000	963-128								
FKB 15K0.5	15	0,5	0,5	± 1,5	10	30.000	963-128								
FKB 36K0.1	36	0,1	0,2	± 0,5	1	360.000	963-128								
FKB 36K0.2	36	0,2	0,4	± 1	2	180.000	963-128								
FKB 65K0.2	65	0,2	0,4	± 1	2	325.000	963-129								
FKB 30K1	30	1	1	± 3	20	30.000	963-128								
FKB 65K1	65	1	1	± 3	20	65.000	963-129								

KERN Pictograms



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CAL EXT

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ET

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



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

Memory MEMORY

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



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

Alibi memory



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



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RS 485

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





Hold function

When the weighing

(Animal weighing program)

conditions are unstable, a

stable weight is calculated



Weighing principle **Tuning fork**



A resonating body is electromagnetically excited,



Weighing principle Electromagnetic force

causing it to oscillate

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



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

AkkS 3 DAYS	DAkkS calibration possible (DKD) The time required for DAkkS calibration is shown in days in the pictogram



2 DAYS

Factory calibration (ISO) The time required for Factory calibration is shown in days in the pictogram



The time required for internal shipping preparations is shown in days in the pictogram

Pallet shipment

È The time required for internal shipping preparations is shown in days in the pictogram

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· ?» TOL



www.imlab.eu - info@imlab.eu

Weighing with tolerance range (Checkweighing)

Upper and lower limit-

ing can be programmed

individually, e.g. for sorting and dosing. The process

is supported by an audible

or visual signal, see the relevant model

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