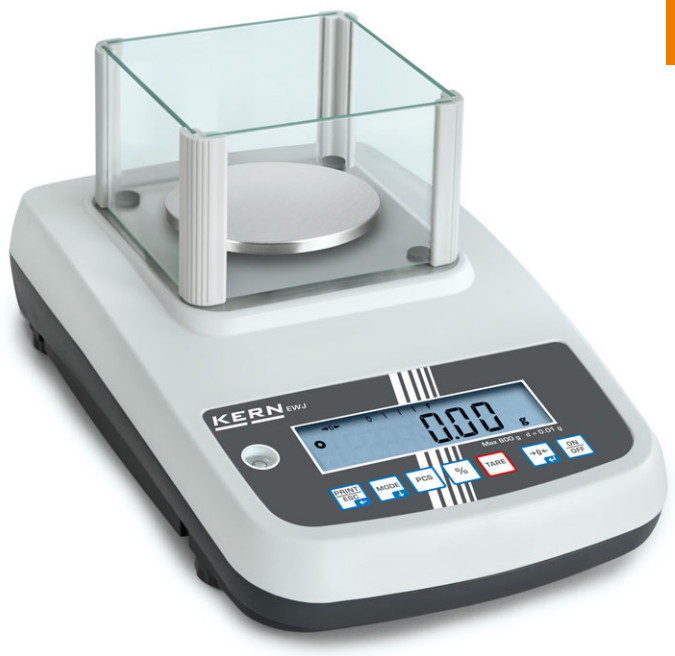
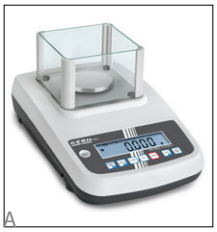
Compact laboratory balance KERN EWJ



BA QUALITY


A


C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Tipski odobren model

High-quality precision balance with automatic internal adjustment, also with EC type approval [M]

Features

- Easy to use: All primary functions have their own key on the keypad
- Automatic internal adjustment , time-controlled every 2 h, guarantees high degree of accuracy and makes the balance independent of its location
- Capacity display: A bar lights up to show how much of the weighing capacity is still available
- KERN EWJ/EWJ-H/EWJ-M: USB interface for transferring weighing data to the PC, printer etc., possibly in conjunction with KERN DBS-A02
- **Draft shield** standard on models KERN EWJ 300-3, EWJ 600-2SM, EWJ 600-2M, weighing space W×D×H 160×145×80 mm
- 1 KERN EWJ 300-3H: Large glass draught shield with 3 sliding doors for easy access to the items being weighed. Weighing space W×D×H 175×155×217 mm
- Protective working cover included with delivery

Technical data

- Large backlit LCD display, digit height 16,5 mm
- Dimensions weighing surface
  - A 80 mm
  - B 120 mm, see larger picture
  - C W×D 155×145 mm
- Overall dimensions W×D×H
  220×315×90 mm (without draught shield)
  220×340×321 mm (incl. draught shield)
- Permissible ambient temperature
  KERN EWJ: 15 °C/35 °C
  KERN EWJ-M: 15 °C/30 °C

Accessories

- Protective working cover , scope of delivery: 5 items, KERN EWJ-A04S05
- Rechargeable battery pack internal , operating time up to 15 h without backlight, charging time approx. 4 h, KERN KFB-A01
- KERN EWJ/-EWJ-H/EWJ-M: USB Accessory Kit for bi-directional data exchange between balance/moisture analyser and computer. Scope of delivery: USB cable, driver, Software BalanceConnection, KERN DBS-A02
- RS-232/WiFi adapter for wireless connection to networks and WiFi capable devices, such as tablets, laptops or smartphones, KERN YKI-03
- RS-232/Ethernet adapter for connection to an IP-based Ethernet network, KERN YKI-01
- Further details, plenty of further accessories and suitable printers see Accessories

STANDARD: CAL INT · RS 232 (not EWJ-SM) · USB (not EWJ-SM) · GLP PRINTER · PCS · RECIPE · PERCENT · UNIT · MULTI · DMS · 1 DAY

OPTION: ACCU · DAkkS +3 DAYS

FACTORY: M +3 DAYS EWJ-M

Model KERN	Weighing capacity [Max] g	Readability [d] g	Verification value [e] g	Minimal load [Min] g	Linearity g	Weighing plate	Price	Option Verification KERN		Option DAkkS Calibr. Certificate KERN	
EWJ 300-3	300	0,001	-	-	± 0,005	A		-		963-127	
EWJ 300-3H	300	0,001	-	-	± 0,005	A		-		963-127	
EWJ 3000-2	3000	0,01	-	-	± 0,05	B		-		963-127	
Note: For applications that require verification, please order verificati on 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.											
EWJ 600-2SM	600	0,01	0,1	0,5	± 0,03	B		965-216		963-127	
EWJ 600-2M	600	0,01	0,1	0,5	± 0,03	B	310,00 €	965-216		963-127	
EWJ 6000-1SM	6000	0,1	1	5	± 0,3	C		965-217		963-128	
EWJ 6000-1M	6000	0,1	1	5	± 0,3	C	295,00 €	965-217		963-128	

Pictograms

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

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

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

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

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

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

RS 485
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
USB data interface:
To connect the balance to a printer, PC or other peripherals

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

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

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

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

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

LAN
Network interface:
For connecting the scale to an Ethernet network

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

*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.

KCP PROTOCOL
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 INTERN
GLP/ISO log:
The balance displays serial number, user ID, weight, date and time, regardless of a printer connection

GLP PRINTER
GLP/ISO log:
With weight, date and time. Only with KERN printers

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

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

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

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

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

UNIT
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

TOL
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

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

IP
Protection against dust and water splashes IPxx:
The type of protection is shown in the pictogram.

INOX
Stainless steel:
The balance is protected against corrosion

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

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

ACCU
Rechargeable battery pack:
Rechargeable set

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

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

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

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

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

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

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

+3 DAYS
Verification possible:
The time required for verification is specified in the pictogram

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

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

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

KERN – Precision is our business

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 balance calibration.

The KERN DAkkS calibration laboratory today is one of the most modern and best-equipped DAkkS calibration laboratories for balances, test weights and force-measurement in Europe.
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.

Range of services:
- 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
- Volume determination and measuring of magnetic susceptibility (magnetic characteristics) for test weights
- Database supported management of checking equipment and reminder service
- Calibration of force-measuring devices
- DAkkS calibration certificates in the following languages DE, GB, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

Your KERN specialist dealer:

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