## Precision balance KERN EWJ(SK)





# High-quality precision balance with automatic internal adjustment and EC type approval [M]

### Features

- Concept of easy use: All primary functions have their own key on the keypad
- Automatic internal adjustment time-controlled every 4 hours. Guarantees high degree of accuracy and makes the location irrelevant
- Ideal for mobile applications which require verification, such as ambulatory gold and jewellery purchasing
- Capacity display: A bar lights up to show how much of the weighing range is still available
- Draft shield with removable cover and opening for using a pipette standard for models with weighing plate size A, weighing space WxDxH 145x160x80 mm
- II RS-232 and USB interfaces for transferring weighing data to the PC, printer, USB sticks etc.

### Technical data

- Large backlit LCDdisplay, digit height 16,5 mm
- Dimensions of weighing plate, stainless steel A Ø 80 mm
- **B** WxD 155x145 mm
- Overall dimensions WxDxH without draft shield 220x315x90 mm incl. draft shield 220x315x180 mm
- $\bullet$  Permissible ambient temperature 5 °C / 40 °C

#### Accessories

- · Rechargeable battery pack internal, operating time up to 15 h without backlight, charging time approx. 4 h, KERN PFB-A06
- USB interface kit for bi-directional data exchange between balance and computer. Scope of supply: USB cable, driver, Software Balance Connection, KERN DBS-A02
- Suitable printers see page 138

#### STANDARD





























Model	Weighing	Readout	Verific.	Minimum	Weighing		Options			
	range		value	load	plate		Verification		DKD Calibr. Certificate	
	[Max]	[d]	[e]	[Min]			MIII		DKD	
KERN	g	g	g	g			KERN		KERN	
EWJ 300-3	300	0,001	_	-	Α		-		963-127	
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.										
EWJ 600-2M	600	0,01	0,1	0,5	Α		965-216		963-127	
EWI 6000-1M	6000	0.1	1	5	В		965-217		963-128	

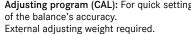
## **KERN Pictograms**



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



Adjusting program (CAL): For quick setting of the balance's accuracy.





Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc.



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



RS 485 data interface: To connect the balance to a printer, PC or other peripheral devices. High tolerance against electromagnetic disturbance.



USB data interface: To connect the balance to a printer, PC or other peripheral devices.



Bluetooth data interface: To transfer data from the balance to a printer, PC or other peripheral devices.



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



Interface for second balance: for direct connection of a second balance.



Network interface: For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN



GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.



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



Recipe level A: Separate memory for the weight of the tare container and the recipe ingredients (net total).



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



Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through displays. Additional convenient functions, such as barcode and back calculation functions.



Rechargeable battery pack: rechargeable set.



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



Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.



Strain gauges: Electrical resistor on an elastic deforming body.



Tuning fork principle: A resonating body is electromagnetically excited, causing it to



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



oscillate.



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.



Weighing with tolerance range: Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.



Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.



Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.



Stainless steel: the balance is protected against corrosion.



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.



Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.



Single cell technology: Advanced version of the force compensation principle with the highest level of precision.



Verification possible: The time required for verification is specified in the pictogram.



DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.



Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.



Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.



Warranty: The warranty period is shown in the pictogram.

### Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight package for your balance, consisting of the test weight, box and DKD certificate, as proof of ist accuracy ... the best pre-requisite for proper balance

In the extensive KERN test weight range, you will find test weights in the international OIML error limit classes: E1, E2, F1, F2, M1, M2, M3 with weights from 1 mg - 2000 kg.

The KERN DKD calibration laboratory for electronic balances and weights has been accredited by DKD since 1994 and today is one of the most modern and best-equipped DKD calibration laboratories for balances, test weights and forcemeasurement in Europe.

(DKD = German Calibration Service)

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

#### Range of services:

- DKD calibration of balances with a maximum load of up to 6 t
- DKD calibration of weights in the range of 1 mg 500 kg
- · Database supported management of checking equipment and reminder service
- · Calibration of force-measuring devices
- DKD calibration certificates in the following languages D, GB, F, I, E, NL, PL

Do you have questions about your scale, the corresponsing test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

# Your KERN specialist dealer: