



## Verifiable entry level model in the upper laboratory class with EC type approval [M]

### Features

- Very fast display: steady weight values within 2 sec
- Capacity display: A bar lights up to show how much of the weighing range is still available
- Precise counting: The automatic optimisation of reference weight gradually improves the average value of the piece weight, counting resolution up to 62.000 points
- Weighing with tolerance range (checkweighing): Input of an upper/lower limit value. A visual signal assists with portion division, dispensing or grading

### Technical data

- Large LCD display, digit height 17 mm
- Dimensions of weighing plate (stainless steel)
  - A Ø 140 mm, see larger picture
  - B WxD 180x160 mm
- Dimensions housing WxDxH 182x235x75 mm
- Net weight approx. 1,1 kg
- Permissible ambient temperature 10 °C / 30 °C

### Accessories

- Protective working cover over keyboard and housing standard, can be reordered, KERN EG-A05
- Rechargeable battery pack internal, operating time up to 32 h, charging time approx. 10 h, can be reordered, KERN EWB-A01
- Loop for underfloor weighing, KERN EG-A07

#### STANDARD



#### OPTION



#### FACTORY

































Model	Weighing range [Max]	Readout [d]	Verific. value [e]	Reproducibility	Linearity	Weighing plate	Option			
							Verification		DKD Calibr. Certificate	
							M II KERN		DKD KERN	
KERN	g	g	g	g	g					
EWB 220-2M	220	0,01	0,01	0,01	0,01	A	–		963-127	
EWB 620-2M	620	0,01	0,1	0,01	0,01	A	965-216		963-127	
EWB 1200-1M	1200	0,1	0,1	0,1	0,1	B	–		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.

ONLY WHILE STOCKS LAST

## KERN Pictograms

 CAL INT	Internal adjusting (CAL): Quick setting of the balance's accuracy with internal adjusting weight (motordriven).	 CAL EXT	Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.	 MEMORY	Memory: Balance contains memories, e.g. for item data, weighing data, tare weights etc. PLU
 RS 232	Data interface RS-232: To connect the balance to a printer, PC or network	 SWITCH	Control outputs (optocoupler, digital I/O) to connect relays, signal lamps, valves, etc.	 DUAL	Interface for second balance: for direct connection of a second balance
 LAN	Network interface: For connecting the scale to an Ethernet network. With KERN products you can also use a universal RS-232/LAN converter.	 GLP PROTOCOL	GLP/ISO record keeping: of weighing data with date, time and identification-no. Only with printers from KERN.	 PCS	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
 RECIPE	Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.	 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: Upper and lower limiting can be programmed individually, e.g. dosing/sorting and portioning.	 MOVE	Vibration-free weighing: (Animal weighing program) Vibrations are filtered out so that a stable weight is obtained.	 IP	Spray and dust protection IPxx: The type of protection is shown by the pictogram. For details see the glossary.
 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.	 230 V	Mains adapter: 230V/50Hz in standard version for Germany. On request GB, AUS or USA version.	 230 V	Power supply: integrated in balance. 230V/50Hz in Germany. More standards e. g. GB, AUS, USA on request.
 DMS	Strain gauges: Electrical resistor on an elastic deforming body.	 T-FORK	Tuning fork principle: A resonating body is electromagnetically excited, causing it to oscillate.	 FORCE	Electromagnetic force compensation: Coil in a permanent magnet. For the most accurate weighings.
 SC TECH	Single cell technology: Advanced version of the force compensation principle with the highest level of precision.	 M +3 DAYS	Verification possible: The time required for verification is specified in the pictogram.	 DKD +3 DAYS	DKD calibration possible: The time required for DKD calibration is shown in days in the pictogram.
 DAYS	Package shipment: The time required to manufacture the product internally is shown in days in the pictogram.	 DAYS	Pallet shipment: The time required to manufacture the product internally is shown in days in the pictogram.	 3 YEARS WARRANTY	Warranty: The warranty period is shown in the pictogram.

## Precision is our business

To ensure the high level of precision of your balance, KERN offers the appropriate test weight package for your balance. This consists of the test weight, box and DKD calibration certificate, as proof of its accuracy. The best way to ensure proper balance calibration.

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, and M3 with weights from 1 mg to 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 force-measurement in Europe.  
(DKD = German Calibration Service ~ UKAS)

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 6000 kg
- 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 corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

## Your KERN specialist dealer:

Intertech d.o.o.  
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