## Precision balance KERN EW-N · EG-N

# EuroDidact



Top of the range cost-effectiveness, with EC type approval [M]



**GLP/ISO record keeping** of weighing data, balance adjustment, etc. with date, time and identification no... Ideal for monitoring and documenting your processes in accordance with your quality management system



**Percentage determination:** makes it possible to store a given weight value (100%) and to determine deviations from this target value



Weighing with tolerance range (checkweighing): a visual signal helps with portion division, dispensing or grading

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# Precision balance KERN EW-N · EG-N



### Features

- 11 only EG-NM: Internal adjustment (CAL) by rotary knob on the side. Guarantees high degree of accuracy and makes the location irrelevant
- 2 only EW-NM: Adjusting program CAL for quick setting of the balance accuracy, external test weights at an additional price, see page 133 ff.
- 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
- Drafts hield standard for models with weighing plate sizes A. Removable metal cover with pipette opening, weighing space WxDxH 158x130x78 mm



## Technical data

- Large LCD display, digit height 17 mm
- · Dimensions of weighing plate (stainless steel) A 118 mm, see larger picture B 170x142 mm
- C 180x160 mm
- Overall dimensions (without draft shield) WxDxH
- A, B 182x235x75 mm C 192x265x87 mm
- Net weight approx. 1,3 kg
- Permissible ambient temperature 10 °C / 30 °C



#### Accessories

- Protective working cover over keyboard and housing, standard, can be reordered. For models with weighing plate sizes A, B KERN EG-A05 C KERN EG-A09
- Rechargeable battery pack internal, operating time up to 32 h, charging time approx. 12 h. Charge condition indicator on display. AUTO-OFF function to preserve the battery, can be switched off. For models with weighing plate sizes A, B KERN EG-A04 C KERN EG-A06
- **3** Large glass draught shield with 3 sliding doors for easy access to the items being weighed, Weighing space WxDxH 150x140x130 mm,

can be reordered for models with weighing plate sizes A, KERN EG-A03

- · Loop for underfloor weighing, for models with weighing plate sizes A, B KERN EG-A07 C KERN EG-A08
- Suitable printers see page 130

STANDARD											OPTION	STANDARD		OPTION	FACTORY	
			• 6884. •	GLP	%	C		È		((( <b>Ų</b> )))			<b>3</b> YEARS	DKD	Μ	
CAL INT	CAL EXT	PCS	RS 232	PROTOCOL	PERCENT	UNIT	TOL	UNDER	230 V	T-FORK	ACCU	1 DAY	WARRANTY	+3 DAYS	+3 DAYS	
1	2			5 6												

Model	Weighing	Readout	Verific. value	Repro- ducibility	Linearity	Weighing	Option			
	range					plate	Verification		DKD Calibr. Certificate	
	[Max]	[d]	[e]				M		DKD	
KERN	g	g	g	g	g		KERN		KERN	
EW 220-3NM	220	0,001	0,01	0,001	± 0,002	A	-		963-127	
EW 420-3NM	420	0,001	0,01	0,001	± 0,003	A	-		963-127	
EW 620-3NM	620	0,001	-	0,001	± 0,003	A	-		963-127	
EW 820-2NM	820	0,01	-	0,01	± 0,01	В	-		963-127	
EW 2200-2NM	2200	0,01	0,1	0,01	± 0,01	С	-		963-127	
EW 4200-2NM	4200	0,01	0,1	0,01	± 0,02	С	-		963-127	
EW 6200-2NM	6200	0,01	-	0,01	± 0,03	С	-		963-128	
EW 12000-1NM	12000	0,1	1	0,1	± 0,2	С	-		963-128	
EG 220-3NM	220	0,001	0,01	0,001	± 0,002	A	965-216 🔳		963-127	
EG 420-3NM	420	0,001	0,01	0,001	± 0,003	A	965-216 🔳		963-127	
EG 620-3NM	620	0,001	0,01	0,001	± 0,004	A	965-201 🔳		963-127	
EG 2200-2NM	2200	0,01	0,1	0,01	± 0,01	С	965-216 🔳		963-127	
EG 4200-2NM	4200	0,01	0,1	0,01	± 0,02	С	965-216 🔳		963-127	
No	te: For applic		•	ion, please or			erification at a	later date is i	not possible.	

Verification at the factory, we need to know the full address of the location of use.

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## KERN Pictograms



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



weight (motordriven).



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



Network interface: For connecting the scale to an Ethernet network. With KERN products you



Net-total weighing: weight of tare cup and weight of components memorized in two separate stores.

can also use a universal RS-232/LAN converter.



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



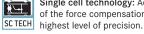
Stainless steel: the balance is protected against corrosion.



Rechargeable battery pack: rechargeable set.



Strain gauges: Electrical resistor on an elastic deforming body.



Single cell technology: Advanced version of the force compensation principle with the



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

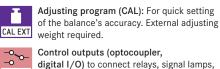
# Precision is our business

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)



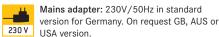
digital I/O) to connect relays, signal lamps, SWITCH valves, etc.



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

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

Suspended weighing: load support with hook Ę on the underside of the balance. UNDER

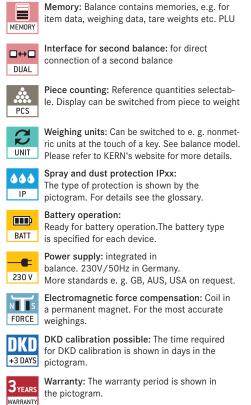


Tuning fork principle: A resonating body is (((**U**))) electromagnetically excited, causing it to T-FORK oscillate.

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



The time required to manufacture the product DAYS internally is shown in days in the pictogram.



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,

## Range of services:

7 days a week.

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



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