BALANCES & TEST SERVICE 2024

Precision balances

Precision Balances KERN EW-N · EG-N



The classic balance with robust tuning fork measuring system

Features

- KERN EG: Internal adjustment in the case of a change in temperature and time-controlled at defined intervals, guarantees high degree of accuracy and makes the balance independent of its location of use
- Stable temperature behaviour
- · Short stabilisation time
- Shock proof construction
- High corner load performance
- Capacity display: A bargraph display lights up to show how much of the weighing range is still available
- Totalising of pieces when counting
- Draught shield standard for models with weighing plate size A, weighing space
 W×D×H 158×130×78 mm

Protective working cover included with delivery

Technical data

- Large LCD display, digit height 17 mm
- Dimensions weighing surface, stainless steel
 ▲ Ø 118 mm, see larger picture
- W×D 170×140 mm W×D 180×160 mm
 Overall dimensions W×D×H
- ▲ 185×235×165 mm ■, 180×235×75 mm • Net weight
- 🗛 ca. 2,0 kg, 🖪 ca. 1,6 kg, 🖸 ca. 4,0 kg
- Permissible ambient temperature 10 $^{\circ}\text{C}/\text{30}$ $^{\circ}\text{C}$











Accessories

- Protective working cover, scope of delivery:
 5 items, for models with weighing plate size
 A. E KERN EG-A05S05
- A, D KERN EG-AU550
- C KERN EG-A09S05
- Internal rechargeable battery pack, operating time up to 12 h with backlight, charging time approx.
 12 h, for models with weighing plate size
- A, B KERN EG-A04
- C KERN EG-A06
- Large glass draught shield with 3 sliding doors for easy access to the items being weighed.
 Weighing space W×D×H 150×140×130 mm, KERN EG-A03
- Loop for underfloor weighing, for models
 with weighing plate size
- A, B KERN EG-A07
- C KERN EG-A08
- Minimum weight of sample, smallest weight to be weighed, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103
- Equipment qualification: compliant qualification concept which includes the following validation services, Installation Qualification (IQ), Operating Qualification (OQ), for details see page 230
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD											OPTION	OPTION		
Ť.		• 6984 •	GLP		%	\mathcal{C}	-√+ ⊙	É	B	(((Ų))			DAkkS	Μ
CAL INT	CAL EXT	RS 232	PRINTER	PCS	PERCENT	UNIT	TOL	UNDER	MULTI	T-FORK	1 DAY	ACCU	+3 DAYS	+3 DAYS
:G-N	EW-N													EG-N

Model	Weighing	Readability	Verification	Minimal	Linearity	Weighing	Net	Options		
	capacity [Max]	[d]	value [e]	load [Min]		plate	weight	Verification	DAkkS Calibr. Certificate DAkkS	
KERN	g	g	g	g	g		kg	KERN	KERN	
W 220-3NM	220	0,001	-	-	± 0,002	А	1,4	-	963-127	
EW 420-3NM	420	0,001	-	-	± 0,003	А	1,4	-	963-127	
EW 620-3NM	620	0,001	-	-	± 0,003	А	1,4	-	963-103	
EW 820-2NM	820	0,01	-	-	± 0,01	В	1,6	-	963-127	
EW 2200-2NM	2200	0,01	-	-	± 0,01	С	3,0	-	963-127	
W 4200-2NM	4200	0,01	-	-	± 0,02	С	3,0	-	963-127	
W 6200-2NM	6200	0,01	-	-	± 0,03	С	3,0	-	963-104	
W 12000-1NM	12000	0,1	-	-	± 0,2	С	3,0	-	963-128	

The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.

EG 220-3NM	220	0,001	0,01	0,02	± 0,002	А	2,0	965-216 🔳	963-127	
EG 420-3NM	420	0,001	0,01	0,02	± 0,003	Α	1,8	965-216 💷	963-127	
EG 620-3NM	620	0,001	0,01	0,1	± 0,004	А	2,0	965-201 💷	963-103	
EG 2200-2NM	2200	0,01	0,1	0,5	± 0,01	С	4,0	965-216 💷	963-127	
EG 4200-2NM	4200	0,01	0,1	0,5	± 0,02	C	4,0	965-216 💷	963-127	

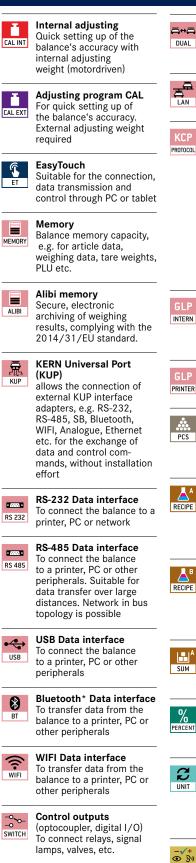
BALANCES & TEST SERVICE 2024

Interface for second

balance

LAN

KERN Pictograms









balance

Hold function

(Animal weighing program)

stable weight is calculated as an average value

Protection against dust

and water splashes IPxx

The type of protection is

shown in the pictogram

Suspended weighing

Load support with hook

on the underside of the

Ready for battery opera-

tion. The battery type is

specified for each device

Battery operation

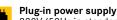
When the weighing con-

ditions are unstable, a

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MOVE

with universal input and optional input socket B) EU, CH, GB, US C) EU, CH, GB, US, AUS



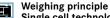
version for EU, CH. On request GB, USA or AUS version available

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

Electrical resistor on an elastic deforming body

A resonating body is electromagnetically excited, causing it to oscillate

Coil inside a permanent magnet. For the most accurate weighings



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

Conformity Assessment Μ The time required for +3 DAYS conformity assessment is specified in the pictogram

DAkkS calibration DAkkS

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



1 DAY

+3 DAYS

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

Package shipment

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

Pallet shipment

È The time required for 2 DAYS internal shipping preparations is shown in days in the pictogram





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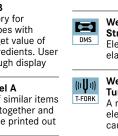


analogue processing of the measurements

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