

Precision balances KERN 572 · 573



All-rounder e.g. as laboratory, counting or checking balance, also with EC type approval [M]

**Features**

- Thanks to the many typical laboratory functions, such as, for example, recipe function, percentage determination, GLP record keeping, combined with the high level of precision, the KERN 572 is a reliable partner for day-to-day work in the laboratory. The robust version with an aluminium diecast housing, typical industrial functions, such as piece-counting, vibration-free weighing and the large weighing ranges also make these balances ideal for all industrial applications, where a high level of precision is required
- The robust metal housing maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use

**Only 572: Ring-shaped draft shield** standard (Weighing plate **A**), weighing space ØxH 157x43 mm

**1 UNITS:** Further weighing units see the internet (only 572)

**Accessories**

- Protective working cover** standard, can be reordered, KERN 572-A02
- 2 Only 572: Rechargeable battery pack external**, operating time up to 25 h, charging time approx. 10 h, KERN KS-A01
- 3 Large glass draught shield** with 3 sliding doors for easy access to the items being weighed. Weighing space WxDxH 150x140x130 mm (only for models with weighing plate sizes **A**), KERN 572-A05
- Hook for underfloor weighing** to weigh hanging loads, KERN 572-A03
- Suitable printers** see page 138

**Technical data**

- Large backlit LCD display, digit height 18 mm
- Dimensions of weighing plate (stainless steel)  
**A** Ø 106 mm  
**B** Ø 150 mm  
**C** WxD 160x200 mm, see larger picture
- Overall dimensions WxDxH 180x310x130 mm
- Permissible ambient temperature  
KERN 572: 10 °C / 40 °C  
KERN 573: 10 °C / 30 °C

STANDARD

CAL EXT

RS 232

GLP

PCS

RECIPE

PERCENT

UNIT

MOVE

UNDER

230 V

DMS

1 DAY

3 YEARS WARRANTY

OPTION

ACCU

DKD +3 DAYS

FACTORY

M +7 DAYS

only with printer

1

Model	Weighing range [Max] g	Read-out [d] g	Verific. value [e] g	Linearity g	Repro-ducibility g	Net weight approx. kg	Weighing plate	Options			
								Verification		DKD Calibr. Certificate	
								M II KERN		DKD KERN	
KERN											
572-30	240	0,001	–	± 0,003	0,001	2,3	A	–		963-127	
572-31	300	0,001	–	± 0,005	0,002	2,3	A	–		963-127	
572-32	420	0,001	–	± 0,005	0,002	2,3	A	–		963-127	
572-33	1600	0,01	–	± 0,03	0,01	2,3	B	–		963-127	
572-35	2400	0,01	–	± 0,03	0,01	2,3	B	–		963-127	
572-37	3000	0,01	–	± 0,05	0,02	2,3	B	–		963-127	
572-39	4200	0,01	–	± 0,05	0,02	2,3	B	–		963-127	
572-45	12000	0,05	–	± 0,15	0,05	2,7	C	–		963-128	
572-55	20000	0,05	–	± 0,15	0,1	2,7	C	–		963-128	
572-43	10000	0,1	–	± 0,3	0,1	2,3	C	–		963-128	
572-49	16000	0,1	–	± 0,3	0,1	2,7	C	–		963-128	
572-57	24000	0,1	–	± 0,3	0,1	2,7	C	–		963-128	
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.											
573-34NM	650	0,01	0,1	± 0,02	0,01	2,3	B	965-216		963-127	
573-46NM	6500	0,1	1	± 0,2	0,1	2,7	C	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. External adjusting weight required.



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



**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 converter.



**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 bar-code and back calculation functions.



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



**Weighing units:** Can be switched to e. g. non-metric 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.



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



**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 oscillate.



**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 its accuracy ... the best pre-requisite for 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, 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 force-measurement 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 corresponding test weight or the calibration service? Your KERN specialist dealer will be pleased to assist you.

## Your KERN specialist dealer: