

PRODUCT BROCHURE

KERN 572-45

Date: 28.04.2025

ENGLISH



All-rounder, e.g. as precision balance in the laboratory or in harsh industrial applications, ideal for the diverse possibilities of Industry 4.0 applications

CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



Scan here for more
information

PRODUCT SHOWCASE



DESCRIPTION

- Thanks to the many typical laboratory functions, such as, for example, recipe function, percentage determination, 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, typical industrial functions, such as piece-counting, vibrationfree weighing and the large weighing ranges also make these balances ideal for all industrial applications, where a high level of precision is required
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers
- Standardised, simplified concept of operation
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- The robust aluminium diecast housing maintains the stability, protects the weighing technology elements and is robust enough to cope with everyday use
- Level indicator to level the balance precisely
- Protective working cover included with delivery

SPECIFICATIONS

Article codes, product groups & Status

information

Model article-code	572-45
Model-Serie	572
Assortment	KERN
Product Type	Laboratory balances
Product group	Precision balances
Product usage type	Main article
EAN code (Model)	4045761356900
Predecessor Model	572-45-2021a
Customs tariff number	90160010
CE Label	yes

Technical data - Primary

Weighing capacity	12000 g
Readability	0.05 g
Repeatability	0.05 g
Linearity	± 0.15 g
Minimum piece weight	500 mg
Weighing surface (d)	160×200 mm

Technical data - Construction

Dimension housing (W×D×H)	180×310×85 mm
Bubble Level	yes
Material weighing plate	stainless steel
Revolving screw feet	yes
Casing material	cast aluminium
Dimensions of weighing plate (W×D)	160×200 mm

Weighing surface (d)	160×200 mm
----------------------	------------

Technical data - Display

Display height	21 mm
Backlight	yes

Technical data - Power supply

Mains adapter/adapter included	CH;EURO;UK;US
Charging time	8 h
Input Voltage	100 V - 240 V AC, 50 / 60 Hz
Operating time (Backlight off)	48 h
Rechargeable battery	Rchrg. battery optional (factory)

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 0.15 g
Minimum weight (USP)	100 g
Readability	0.05 g
Recommended adjusting weight	10 kg (F1)
Repeatability	0.05 g
Stabilisation time under laboratory conditions	3 s
Warm up time	120 min

Technical data - Environmental conditions

Maximum humidity	80 %
------------------	------

Maximum operating temperature 40 °C

Minimum ambient temperature -10 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H) 400×340×220 mm

Gross weight 4.8 kg

Net weight 2.8 kg

Shipping method Parcel service

Packaging component - by weight - cardboard 1050 g

Packaging component - by weight - plastics 1050 g

Delivery time 1 d

Technical data - Counting data

Counting resolution 240000

Minimum piece weight at piece counting (Laboratory) 50 mg

Minimum piece weight 500 mg

Optional Services

DAkkS Calibration 963-128

FUNCTIONS

Standard



Option



Factory



ACCESSORIES

Model	Description
572-A02	Protective Working Cover KERN 572-A02
911-013	Matrix needle printer KERN 911-013
YKR-01	Internal Rechargeable Battery Pack KERN YKR-01
YKN-01	Matrix needle printer KERN YKN-01
YKA-27	Power Adapter KERN YKA-27
326-14	Test Weight KERN 326-14
YKG-01	Dot Matrix Printer KERN YKG-01
YKH-01	Thermal printer KERN YKH-01
KUP-01	Adapter KERN KUP-01
KUP-03	Adapter KERN KUP-03
KUP-04	Adapter KERN KUP-04
KUP-05	Adapter KERN KUP-05
KUP-06	Adapter KERN KUP-06
YPS-03	Antivibration table YPS-03
KUP-13	Connecting cable KERN KUP-13
YPS-04	Antivibration plate KERN YPS-04
YPS-05	Antivibration plate KERN YPS-05
572-A03	Hook for underfloor weighing 572-A03
YKC-01	Thermal printer KERN YKC-01
SCD-4.0-PRO-DL-AS05	Software KERN BalanceConnection SCD-4.0-PRO-DL-AS05
SCD-4.0-DLS05	BalanceConnection Standard KERN SCD-4.0-DLS05

SERVICES

Model	Description
963-128	DAkkS Calibration KERN 963-128
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517
970-103	Warranty extension KERN (+2 years) 970-103

SPARE PARTS

Model	Description
572-A02	Protective Working Cover KERN 572-A02
R572-5001	DC socket R572-5001
YKA-27	Power Adapter KERN YKA-27
RT572-4001	Keyboard overlay KERN RT572-4001
RT572-1003	Load cell KERN RT572-1003
RT572-8001	Adjustable foot / rubber foot KERN RT572-8001
RTDS-2001	Main PCB KERN RTDS-2001
RT572-9001	Level bubble KERN RT572-9001
RT572-8002	Adjustable foot (rear) KERN RT572-8002
RT572-6003	Weighing plate KERN RT572-6003
RTMCN-9001	KUP Interface KERN RTMCN-9001
RT572-3001	LCD Display KERN RT572-3001

SOFTWARES

Model	Description
SCD-4.0-DL	BalanceConnection Standard KERN SCD-4.0-DL
SCD-4.0-PRO-DL	Software KERN BalanceConnection SCD-4.0-PRO-DL
SET-17	KERN EasyTouch SET-17 PrePack
SET-01	KERN EasyTouch SET-01 Base
SET-21	KERN EasyTouch SET-21 Formulation
SET-22	KERN EasyTouch SET-22 Difference
SET-31	KERN EasyTouch SET-31 Tolerance
SET-32	KERN EasyTouch SET-32 Count
SET-33	KERN EasyTouch SET-33 Target Count
SET-04	KERN EasyTouch SET-04 Density
SET-05	KERN EasyTouch SET-05 Dynamic
SET-06	KERN EasyTouch SET-06 Classification
SET-07	KERN EasyTouch SET-07 Variable
SET-08	KERN EasyTouch SET-08 Take-out
SET-10	KERN EasyTouch SET-10 Save Server
SET-11	KERN EasyTouch SET-11 Safety

Model	Description
SET-16	KERN EasyTouch SET-16 Batch and Statistics
SET-14	KERN EasyTouch SET-14 Individual Print
SET-28	KERN EasyTouch SET-28 Customization Service
SET-35	KERN EasyTouch SET-35 Assembly Count
SET-18	KERN EasyTouch SET-18 Container Master
SET-46	KERN EasyTouch SET-46 Backup Scheduler
SET-51	KERN EasyTouch SET-51 Audit Logs
SET-411	KERN EasyTouch SET-411 Hotkeys

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Repeatability	Linearity	Minimum piece weight	Weighing surface (d)
572-30	240 g	0.001 g	0.001 g	± 0.003 g	10 mg	106 mm
572-31	300 g	0.001 g	0.002 g	± 0.005 g	10 mg	106 mm
572-32	420 g	0.001 g	0.002 g	± 0.005 g	10 mg	106 mm
572-33	1600 g	0.01 g	0.01 g	± 0.03 g	100 mg	150 mm
572-35	2400 g	0.01 g	0.01 g	± 0.03 g	100 mg	150 mm
572-37	3000 g	0.01 g	0.02 g	± 0.05 g	100 mg	150 mm
572-39	4200 g	0.01 g	0.02 g	± 0.05 g	100 mg	150 mm
572-45	12000 g	0.05 g	0.05 g	± 0.15 g	500 mg	160×200 mm
572-55	20 kg	0.00005 kg	0.0001 kg	± 0.00025 kg	500 mg	160×200 mm
572-43	10 kg	0.0001 kg	0.0001 kg	± 0.0003 kg	1 g	160×200 mm
572-49	16 kg	0.0001 kg	0.0001 kg	± 0.0003 kg	1 g	160×200 mm
572-57	24 kg	0.0001 kg	0.0001 kg	± 0.0003 kg	1 g	160×200 mm