

PRODUCT BROCHURE

KERN 572-32

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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

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
- Ring-shaped draught shield included with the delivery, Weighing space W×D×H
- Level indicator to level the balance precisely
- Load support on the underside of the balance for models, Loop for underfloor weighing included with the delivery
- Protective working cover included with delivery

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	572-32
Model-Serie	572
Assortment	KERN
Product Type	Laboratory balances
Product group	Precision balances
Product usage type	Main article

EAN code (Model)	4045761356849
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Predecessor Model	572-32-2021a
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Customs tariff number	90160010
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CE Label	yes
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Technical data - Primary

Weighing capacity	420 g
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Readability	0.001 g
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Repeatability	0.002 g
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Linearity ± 0.005 g

Minimum piece weight 10 mg

Weighing surface (d) 106 mm

Technical data - Construction

Dimensions of housing 180×310×85 mm

Bubble Level yes

Material weighing plate stainless steel

Revolving screw feet yes

Casing material cast aluminium

Weighing surface (d) 106 mm

Dimensions of weighing plate (diameter) 106 mm

Dimensions draft shield, inner (Ø×H) 157×43 mm

Dimensions draft shield, outer (Ø×H) 160×0 mm

Material draft shield coated metal

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 ± 0.005 g

Minimum weight (USP) 4 g

Readability 0.001 g

Recommended adjusting weight 200 g (E2); 200 g (E2)

Repeatability 0.002 g

Stabilisation time under laboratory conditions 3 s

Warm up time 4 h

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 3.8 kg

Net weight 2.4 kg

Shipping method Parcel service

Packaging component - by weight - cardboard 750 g

Packaging component - by weight - plastics 750 g

Delivery time 1 d

Technical data - Counting data

Counting resolution 420000

Minimum piece weight at
piece counting
(Laboratory) 1 mg

Minimum piece weight 10 mg

Optional Services

DAkkS Calibration 963-127

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
YKG-01	Dot Matrix Printer KERN YKG-01

Model	Description
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
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
963-127	DAkkS Calibration KERN 963-127
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
RT572-1001	Load cell KERN RT572-1001
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

Model	Description
RT572-6001	Weighing plate KERN RT572-6001
RTMCN-9001	KUP Interface KERN RTMCN-9001
RT572-3001	LCD Display KERN RT572-3001
RT572-8003	Draft shield KERN RT572-8003

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
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