PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN PBJ 4000-2M

Multifunctional laboratory balance with single-cell weighing system, with optional verification

ENGLISH



CONTACT

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FEATURES

- 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
- Metal housing: robust and sturdy
- Dosage aid: High stability mode and other filter settings can be selected
- Weighing with tolerance range (checkweighing): a visual signal helps with portioning, dispensing or grading
- Summation of weight values
- Identification number: 4 digits, printed on calibration protocol freely programmable
- Automatic data output to the PC/printer each time the balance is steady
- Protective working cover included with delivery

TECHNICAL DATA

- Large backlit LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel, W×D 176×189 mm
- Overall dimensions 191×317×79 mm
- Net weight approx. 5,0 kg
- Permissible ambient temperature 10 °C/30 °C

MAIN SCOPE OF APPLICATIONS

- Laboratory applications
- Pharmaceutical applications
- Quality control
- Time-based recording

PLEASE NOTE FOR YOUR ORDER

- For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order, the initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification

PICTOGRAMS

Standard



Option



Factory



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Reproducibility	Linearity	Dimensions weighing surface
PBJ 600-3M	620 g	0,001 g	0,01 g	0,1 g	0,001 g	± 0,002 g	113×110 mm
PBJ 1000-3	1020 g	0,001 g			0,001 g	± 0,003 g	113×110 mm
PBJ 2000-2M	2200 g	0,01 g	0,1 g	0,5 g	0,01 g	± 0,02 g	176×189 mm
PBJ 4000-2M	4200 g	0,01 g	0,1 g	0,5 g	0,01 g	± 0,02 g	176×189 mm
PBJ 6000-2M	6200 g	0,01 g	0,1 g	1 g	0,01 g	± 0,02 g	176×189 mm
PBJ 8000-1M	8200 g	0,1 g	1 g	5 g	0,1 g	± 0,2 g	176×189 mm

ACCESSORIES

Model	Description
770-926	RS232 interface cable 770-926
ACS-A01	RS232 interface cable ACS-A01
PBS-A02	Protective working cover PBS-A02
PBS-A02S05	Protective working cover PBS-A02S05, scope of delivery: 5 items
PBS-A03	Density determination set PBS-A03
YKC-01	Thermal printer YKC-01
YKG-01	Dot Matrix Printer YKG-01
YKH-01	Thermal printer YKH-01
YKI-10	RS232-Ethernet adapter YKI-10 (RS-232 standard, Ethernet, RS-485)
YKI-11	RS232-Ethernet adapter YKI-11 (Ethernet, RS-232 standard - 2x)
YKI-12	RS232-WiFi adapter YKI-12
YKT-01	Needle printer YKT-01
YPS-03	Antivibration table YPS-03

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Model	Description
YPS-04	Anti-vibration plate KERN YPS-04 (400×450×60 mm, 30 kg)
YPS-05	Anti-vibration plate KERN YPS-05 (565×450×60 mm, 42 kg)

SOFTWARE

Model	Description
SCD-4.0-DL	Software SCD-4.0-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-DLS05	Software SCD-4.0-DLS05 (Scope of supplies: Download link for 5 licenses)
SCD-4.0-PRO-DL	Software SCD-4.0-PRO-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-PRO-DL-AS05	Software SCD-4.0-PRO-DL-AS05 (Scope of supplies: Download link for 5 licenses)

SERVICES

Model	Description
963-127	DAkkS calibration certificate 963-127
965-216	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-216
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-108	Warranty extension (+2 years) 970-108

KERN Pictogram Overview

	Internal adjustment: Adjusting accuracy using internal adjustment weight
	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	GLP/ISO protocol: The measuring device generates a GLP-compliant printout
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
	Net total: The weight values of the recipe ingredients can be added up and the total weight of the recipe printed out
	Sum function: The weight values of weighed items can be added together and the total printed out
	Percentage determination: determining the deviation in % from the target value (100 %)
	Units can be switched to e.g. non-metric units
	Measuring with tolerance range (checkweighing): Upper and lower limit values can be programmed, e.g. for sorting, portioning or for measuring coatings or material thicknesses. The process is supported by an acoustic and/or optical signal
	Hold function: When the weighing conditions are unstable, a stable weight is calculated as an average value
	Suspended weighing: Load support with hook on the underside of the balance
	Universal plug-in power supply: With universal input and optional input socket adapters for EU, CH, GB or EU, CH, GB, US or EU, CH, GB, US, AUS
	Weighing principle single cell technology: Advanced version of the force compensation principle with the highest level of precision
	Package shipment by courier service: The duration of internal product provision is one day
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days
	Conformity assessment: The duration of the conformity assessment is 3 working days

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