PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

31.10.2026

# KERN PBJ 2000-2M

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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