

Product brochure

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KERN PCJ 6000-1M

Precision balance with alibi memory and optional verification

ENGLISH



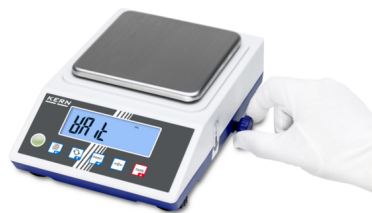
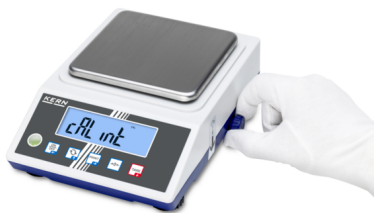
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APPLICATION EXAMPLE



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FEATURES

- Internal adjustment using the rotary control on the side guarantees a high degree of accuracy and means it can be used in any location
- With alibi memory for paperless archiving of weighing results. This also means the results of weighings with mandatory verification can be electronically evaluated and processed further
- The balance can be adjusted in battery operation without the need for mains power
- Standardised, convenient KERN concept of operation, consistency across products in terms of design, menu structure, button functions, interface connection and interface protocol
- Menu with a large number of settings which can be adapted to your requirements. For example, you can specify button tones, assign a button with different functions for rapid access and adapt the print protocol as necessary
- Menu block prevents access by unauthorised users
- Ideal for connection to laboratory information systems (LIMS)
- GLP/ISO record keeping of weighing data, balance adjustment, etc. with date, time and identification number
- Industry 4.0: 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
- Data query and remote control of the balance using a computer or CRM/ERP systems using the KERN Communication Protocol
- Hook for underfloor weighing included with the delivery
- Protective working cover included with delivery

TECHNICAL DATA

- Backlit LCD display, digit height 21 mm
- Dimensions weighing surface, stainless steel, W×D 150×170 mm
- Overall dimensions W×D×H 163×245×80 mm
- Battery operation, 4×1.5 V AA standard, operating time up to 20 h
- Permissible ambient temperature 15 °C/35 °C

MAIN SCOPE OF APPLICATIONS

- Jewellers
- Quality control
- Laboratory applications
- Chemists
- Pharmaceutical industry

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
- According to the requirements of the EU Directive and the German Weights and Measures Act, scales in open sales outlets must not have an auxiliary display device. (Scales for the intended use 'open points of sale' must have a readability of e=d).

PICTOGRAMS

Standard



Option



Factory



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Reproducibility	Linearity	Dimensions weighing surface
PCJ 600-2M	600 g	0,01 g	0,1 g	0,5 g	0,01 g	± 0,03 g	131×131 mm
PCJ 6000-1M	6000 g	0,1 g	1 g	5 g	0,1 g	± 0,3 g	150×170 mm

ACCESSORIES

Model	Description
CFS-A03	Signal lamp KERN CFS-A03
KUP-01	RS-232 interface KUP-01
KUP-03	Interface USB-Device KUP-03-2026e
KUP-04	Ethernet interface KUP-04
KUP-05	WiFi interface KUP-05
KUP-06	Bluetooth BLE interface KUP-06
KUP-13	Extension box KUP-13
YBA-A12	Protective working cover YBA-A12
YBA-A12S05	Protective working cover YBA-A12S05
YKC-01	Thermal printer YKC-01
YKG-01	Dot Matrix Printer YKG-01
YKH-01	Thermal printer YKH-01
YKR-01	Rechargeable battery pack YKR-01
YKT-01	Needle printer YKT-01
YPS-03	Antivibration table YPS-03
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)
SET-01	Software KERN EasyTouch SET-01-2025a Base
SET-01	Software KERN EasyTouch SET-01 Base
SET-04	Software KERN EasyTouch SET-04-2025a Density
SET-04	Software KERN EasyTouch SET-04 Density
SET-05	Software KERN EasyTouch SET-05-2025a Dynamic
SET-05	Software KERN EasyTouch SET-05 Dynamic

Model	Description
SET-06	Software KERN EasyTouch SET-06-2025a Classification
SET-06	Software KERN EasyTouch SET-06 Classification
SET-07	Software KERN EasyTouch SET-07-2025a Variable
SET-07	Software KERN EasyTouch SET-07 Variable
SET-08	Software KERN EasyTouch SET-08-2025a Take-out
SET-08	Software KERN EasyTouch SET-08 Take-out
SET-10	Software KERN EasyTouch SET-10 Save Server
SET-11	Software KERN EasyTouch SET-11-2025a Safety
SET-11	Software KERN EasyTouch SET-11 Safety
SET-14	Software KERN EasyTouch SET-14-2025a Individual Print
SET-14	Software KERN EasyTouch SET-14 Individual Print
SET-16	Software KERN EasyTouch SET-16-2025a Batch and Statistics
SET-16	Software KERN EasyTouch SET-16 Batch and Statistics
SET-17	Software KERN EasyTouch SET-17-2025a PrePack
SET-17	Software KERN EasyTouch SET-17 PrePack
SET-18	Software KERN EasyTouch SET-18-2025a Container Master
SET-18	Software KERN EasyTouch SET-18 Container Master
SET-21	Software KERN EasyTouch SET-21-2025a Formulation
SET-21	Software KERN EasyTouch SET-21 Formulation
SET-22	Software KERN EasyTouch SET-22-2025a Difference
SET-22	Software KERN EasyTouch SET-22 Difference
SET-31	Software KERN EasyTouch SET-31-2025a Tolerance
SET-31	Software KERN EasyTouch SET-31 Tolerance
SET-32	Software KERN EasyTouch SET-32-2025a Count
SET-32	Software KERN EasyTouch SET-32 Count
SET-33	Software KERN EasyTouch SET-33-2025a Target Count
SET-33	Software KERN EasyTouch SET-33 Target Count
SET-35	Software KERN EasyTouch SET-35-2025a Assembly Count
SET-35	Software KERN EasyTouch SET-35 Assembly Count
SET-37	Software KERN EasyTouch SET-37-2025a Export Manager
SET-37	Software KERN EasyTouch SET-37 Export Manager

Model	Description
SET-39	Software KERN EasyTouch SET-39 Data Interface
SET-40	Software KERN EasyTouch SET-40 Protect
SET-46	Software KERN EasyTouch SET-46-2025a Backup Scheduler
SET-46	Software KERN EasyTouch SET-46 Backup Scheduler
SET-51	Software KERN EasyTouch SET-51-2025a Audit Logs
SET-51	Software KERN EasyTouch SET-51 Audit Logs
SET-52	Software KERN EasyTouch SET-52-2025a Inventory
SET-52	Software KERN EasyTouch SET-52 Inventory
SET-261	Software KERN EasyTouch SET-261 Audio Management
SET-311	Software KERN EasyTouch SET-311-2025a Quick Key
SET-311	Software KERN EasyTouch SET-311 Quick Key
SET-411	Software KERN EasyTouch SET-411-2025a Hotkeys
SET-411	Software KERN EasyTouch SET-411 Hotkeys

SERVICES

Model	Description
963-128	DAkkS calibration certificate 963-128
965-217	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-217
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517
970-017	Warranty extension (+3 years) 970-017

KERN Pictogram Overview

	Internal adjustment: Adjusting accuracy using internal adjustment weight
	Memory: Device-internal memory capacity, e.g. for article data, measuring data, tare weights, PLU etc.
	Alibi memory: Secure, electronic archiving of measuring results, complying with the 2014/31/EU standard
	KERN IoT-Line balances – smart weighing solutions for the digital future
	KERN Universal Port (KUP): allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, USB, Bluetooth, WiFi, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort
	KERN Communication Protocol (KCP): a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems
	GLP/ISO protocol: The measuring device generates a GLP-compliant printout
	Value & time: The measuring device displays the value, date, and time, regardless of the connected printer
	Piece counting: Reference quantities selectable. Display can be switched from piece to weight
	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
	Battery operation: Ready for battery operation
	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 Strain gauges: Electrical resistor on an elastic deforming body
	Package shipment by courier service: The duration of internal product provision is one day
	EasyTouch: Suitable for the connection, data transmission and control through PC or tablet
	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	Data interface Bluetooth: For connection to printers, PCs or other peripheral devices



Data interface WiFi: For data transfer to printers, PCs or other peripheral devices



Network interface: For connecting the measuring device to an Ethernet network



Rechargeable battery pack: Rechargeable set



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