PROFESSIONAL MEASURING
SINCE 1844

KERN

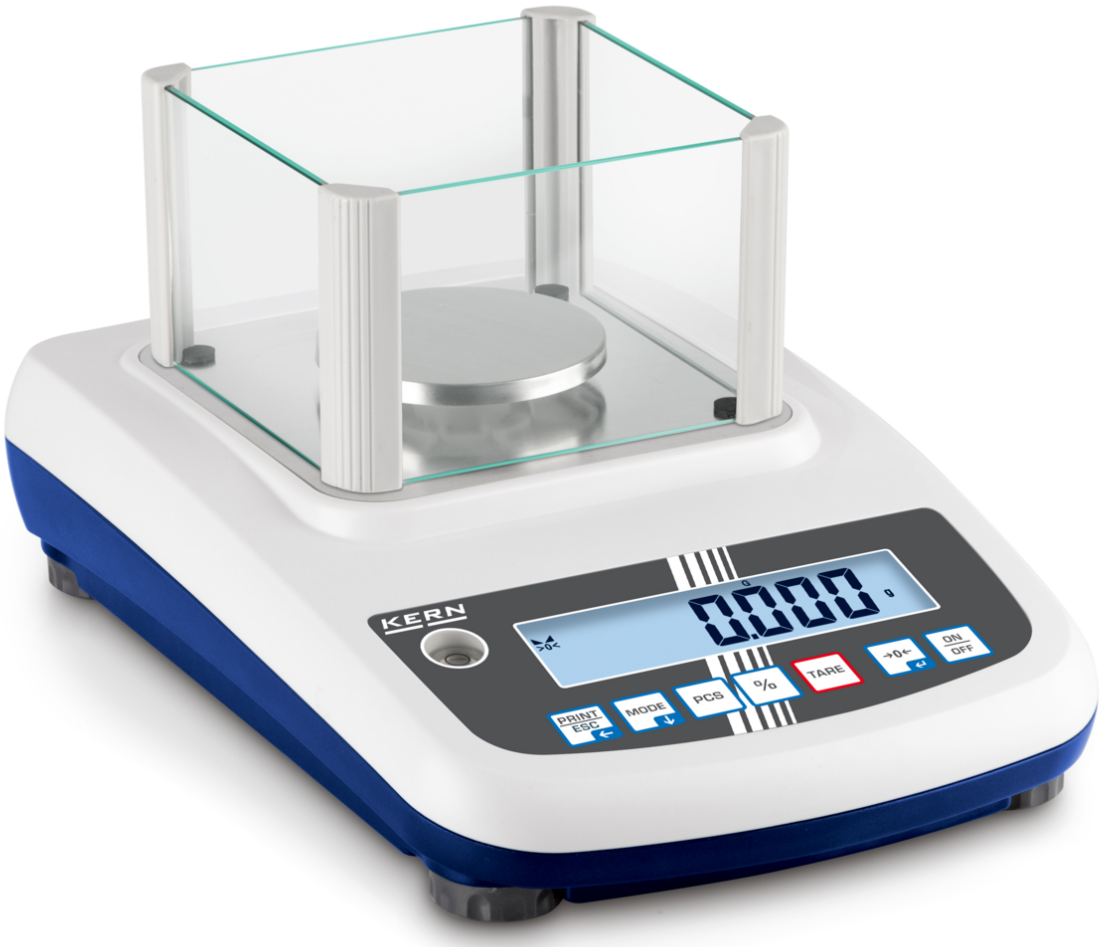
Product brochure

05.09.2026

KERN PFB 120-3

Quick-display precision balance with user-friendly concept of operation mode - now also with checkweighing function

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

+49 7433 9933-0
info@kern-sohn.com
www.kern-sohn.com

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FEATURES

- NEW: Weighing with tolerance range (checkweighing): a visual and audible signal helps with portioning, dispensing or grading
- Standardised, convenient KERN concept of operation: All primary functions have their own key on the keypad
- Compact size, practical for small spaces
- Capacity display: A bargraph display lights up to show how much of the weighing range is still available
- Level indicator and levelling feet for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- Draught shield standard, removable, Weighing space W×D×H 140×150×65 mm

TECHNICAL DATA

- Backlit LCD display, digit height 21 mm
- Dimensions weighing surface, stainless steel, ⌀ 80 mm
- Overall dimensions 210×315×90 mm
- Net weight approx. 1,4 kg
- Permissible ambient temperature 15 °C/30 °C

MAIN SCOPE OF APPLICATIONS

- Laboratory applications
- Industrial applications
- Quality control

PICTOGRAMS

Standard | Option | Factory

MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
PFB 120-3	120 g	0,001 g	0,002 g	± 0,003 g	80 mm
PFB 200-3	200 g	0,001 g	0,002 g	± 0,004 g	80 mm
PFB 300-3	300 g	0,001 g	0,003 g	± 0,005 g	80 mm
PFB 600-2	600 g	0,01 g	0,01 g	± 0,02 g	120 mm
PFB 600-3	600 g	0,001 g	0,005 g	± 0,005 g	120 mm
PFB 1200-2	1200 g	0,01 g	0,02 g	± 0,03 g	120 mm
PFB 2000-2	2000 g	0,01 g	0,02 g	± 0,04 g	120 mm
PFB 3000-2	3000 g	0,01 g	0,03 g	± 0,05 g	120 mm
PFB 6000-1	6000 g	0,1 g	0,1 g	± 0,2 g	190×180 mm
PFB 6000-2	6000 g	0,01 g	0,05 g	± 0,07 g	190×180 mm

ACCESSORIES

Model	Description
315-207-303	Safety set 315-207-303, included weight 5 g (F2); 100 g (F1)
AFH 13	Converter RS232 to USB AFH 13
CFS-A01	RS232 interface cable CFS-A01
EWJ-A06	Rechargeable battery pack EWJ-A06 (Li-Ion, 7,4 V, 2.600 mAh)
PFB-A10	Bluetooth Data Interface KERN PFB-A10, for wireless data transfer to PC or tablets, supports Bluetooth 2.0 and 4.0 (must be ordered at purchase)
PFB-A12	Protective working cover PFB-A12
PFB-A12S05	Protective working cover PFB-A12S05, scope of delivery: 5 items
YKA-11	Power adapter YKA-11 (12 V, 500 mA | 100 - 240 V~ 50/60 Hz 190 mA | EURO, AUS, UK, US, CH)
YKC-01	Thermal printer YKC-01
YKG-01	Dot Matrix Printer YKG-01
YKH-01	Thermal printer YKH-01
YKI-02	RS232-Bluetooth-Adapter YKI-02
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

Model	Description
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)

SERVICES

Model	Description
963-127	DAkkS calibration certificate 963-127
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-016	Warranty extension (+3 years) 970-016

KERN Pictogram Overview

	External adjustment: Adjusting accuracy using external adjustment weight
	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
	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
	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
	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
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days
	Data interface Bluetooth: For connection to printers, PCs or other peripheral devices
	Rechargeable battery pack: Rechargeable set

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