PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

KERN PCD 300-3

High-resolution precision balance with removable display for maximum flexibility

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

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

FEATURES

- Laboratory balance with separate platform: Ideal when working in a glove bag or fume cupboard. Particularly practical for weighing toxic, volatile or contaminated substances
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- Freely programmable weighing unit, e.g. display direct in special units such as length of thread g/m, paper weight g/m^2, or similar
- Level indicator and levelling feet for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- Draught shield standard, weighing space W×D×H 146×146×80 mm
- Protective working cover included with delivery

TECHNICAL DATA

- Large backlit LCD display, digit height 21 mm
- Dimensions weighing surface, plastic, ⌀ 105 mm
- Optional battery operation, 9 V block not included in scope of delivery, operating time up to 12 h, AUTO-OFF-function to preserve the battery
- Overall dimensions 165×280×75 mm, 165×280×141 mm (incl. draught shield)
- Dimensions of display device W×D×H 140×46×75 mm
- Cable length of display device approx. 1,2 m
- Permissible ambient temperature 5 °C/35 °C

MAIN SCOPE OF APPLICATIONS

- Quality assurance
- Industrial applications
- Laboratory applications

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
PCD 250-3	250 g	0,001 g	0,002 g	± 0,005 g	105 mm

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
PCD 300-3	350 g	0,001 g	0,002 g	± 0,005 g	105 mm
PCD 2500-2	2500 g	0,01 g	0,02 g	± 0,05 g	160×160 mm
PCD 3000-2	3500 g	0,01 g	0,02 g	± 0,05 g	160×160 mm
PCD 6K-4	6000 g	0,1 g	0,1 g	± 0,3 g	160×160 mm
PCD 10K-3	10000 g	1 g	1 g	± 3 g	160×160 mm
PCD 10K0.1	10000 g	0,1 g	0,1 g	± 0,3 g	160×160 mm

ACCESSORIES

Model	Description
315-208-205	Safety set 315-208-205, included weight 20 g (F1); 200 g (F1)
572-926	RS232 interface cable 572-926
PCD-A03	Tripod PCD-A03, Height of stand approx. 250 mm
PCD-A04	Rechargeable battery pack PCD-A04
PCD-A05	Protective working cover PCD-A05
PCD-A05S05	Protective working cover PCD-A05S05, scope of delivery: 5 items
YKC-01	Thermal printer YKC-01
YKF-01	Foot switch YKF-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
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)

Model	Description
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
	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	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
	Hold function: When the weighing conditions are unstable, a stable weight is calculated as an average value
	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
	Rechargeable battery pack: Rechargeable set
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days