

Product brochure

04.07.2026

KERN ALJ 210-5A

Single-range semi-micro balance with large weighing range, graphics display and user-friendly recipe weighing function

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

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

FEATURES

- ALJ 210-5A: Semi-micro model with just one weighing range with unbelievably high resolution, ideal where heavy items need to be weighed with the most accurate readout across the entire weighing range. Particularly advantageous: the ioniser KERN ALJ-A03 for neutralising electrostatic charge is already fitted as standard
- Rapid and efficient operation thanks to the graphics display. Simple, clear user interface on the display in the following languages: DE, EN, FR, IT, ES, PT
- Automatic internal adjustment, guarantees high degree of accuracy and makes the balance independent of its location of use
- Short stabilisation time: steady weight values within approx. 10 s under laboratory conditions
- Weighing with tolerance range (checkweighing): Input of an upper/lower limit value. A visual signal assists with portioning, dispensing or grading
- Dosage aid: High stability mode and other filter settings can be selected
- Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display
- Ergonomically optimised keypad for left and righthanded users
- Large glass draught shield with 3 sliding doors for easy access to the items being weighed, Weighing space W×D×H 160×170×225 mm
- Compact size, practical for small spaces
- Protective working cover included with delivery

TECHNICAL DATA

- Backlit LCD graphic display, digit height 15 mm
- Dimensions weighing surface, stainless steel, Ø 80 mm
- Overall dimensions W×D×H 210×340×330 mm
- Net weight approx. 6 kg
- Permissible ambient temperature 5 °C/35 °C

MAIN SCOPE OF APPLICATIONS

- Pharmaceutical applications
- Material testing
- Research and development
- Complex recipes

PICTOGRAMS

Standard



Option



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Reproducibility	Linearity	Dimensions weighing surface
ALJ 200-5DA	82 g; 220 g	0,00001 g; 0,0001 g	0,00004 g; 0,0001 g	± 0,0001 g; 0,0002 g	80 mm
ALJ 160-4A	160 g	0,0001 g	0,0001 g	± 0,0003 g	80 mm
ALJ 210-5A	210 g	0,00001 g	0,00005 g	± 0,0001 g	80 mm
ALJ 250-4A	250 g	0,0001 g	0,0001 g	± 0,0003 g	80 mm
ALJ 310-4A	310 g	0,0001 g	0,0001 g	± 0,0003 g	80 mm
ALJ 500-4A	510 g	0,0001 g	0,0002 g	± 0,0004 g	80 mm

ACCESSORIES

Model	Description
315-108-104	Safety set 315-108-104, included weight 10 g (E2); 200 g (E2)
572-926	RS232 interface cable 572-926
ABS-A08	Protective dust cover ABS-A08
ALJ-A01	Protective working cover ALJ-A01
ALJ-A01S05	Protective working cover ALJ-A01S05, scope of delivery: 5 items
ALJ-A02	Evaporation trap ALJ-A02
ALJ-A03	Ioniser ALJ-A03
ALJ-A04	Protective working cover ALJ-A04
ALJ-A04S05	Protective working cover ALJ-A04S05, scope of delivery: 5 items
ALT-A02	Density determination set ALT-A02
YDB-03	Density determination set YDB-03
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
YKN-01	Needle printer YKN-01
YKT-01	Needle printer YKT-01
YPS-03	Antivibration table YPS-03

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
963-101	DAkkS calibration certificate 963-101
965-411	Assembly of components 965-411 (< 50kg)
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517
970-112	Warranty extension (+2 years) 970-112

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
	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
	Formulation: Internal memory for complete recipes with name and target value of recipe components. Display-supported user guidance
	Density determination: The density of liquids and solids with a density of $\leq$ / $\geq$ 1 is determined directly in the measuring device
	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 electromagnetic force compensation: Coil inside a permanent magnet. For the most accurate weighings
	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