PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

KERN FEJ 33K-4M

High-capacity precision balance with password-protected user administration, with optional verification

ENGLISH



CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

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







APPLICATION EXAMPLE







ENGLISH

FEATURES

- Stainless steel display device with IP65 protection, hygienic and easy to clean
- Metal housing: robust and sturdy
- In order to meet requirements in the pharmaceutical industry, the balance is fitted with a user administration system, which enables unique assignment of users and protects against unauthorised access
- Freely-assignable function keys enable individual adjustment of the balance
- IP65 dust and spray protection (in accordance with EN 60529)
- U.S. FDA 21 Part 11: assists in data integrity in accordance with U.S. FDA 21 Part 11 (for example weighing result, sample ID, user name, scales ID, ...)
- Automatic internal adjustment, guarantees high degree of accuracy and makes the balance independent of its location of use
- Protective working cover included with delivery

TECHNICAL DATA

- Large backlit LCD display, digit height 16,5 mm
- Dimensions weighing surface, stainless steel, W×D 350×400 mm
- Dimensions of display device W×D×H 290×180×80 mm
- Overall dimensions 350×520×170 mm
- Net weight approx. 19 kg
- Permissible ambient temperature 5 °C/35 °C

MAIN SCOPE OF APPLICATIONS

- Pharmaceutical applications
- Food industry
- Industry and production
- Quality management
- 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
FEJ 62K-4DM	6200 g; 62000 g	0,1 g; 1 g	1 g	5 g	0,1 g; 1 g	± 0,3 g; 3 g	350×400 mm
FEJ 17K-4M	17000 g	0,1 g	1 g	5 g	0,1 g	± 0,3 g	350×400 mm
FEJ 33K-4M	33000 g	0,1 g	1 g	5 g	0,1 g	± 0,3 g	350×400 mm

ACCESSORIES

Model	Description
FEJ-A01	Rechargeable battery pack FEJ-A01 (NiMH)
FEJ-A02	Protective working cover FEJ-A02
FEJ-A02S05	Protective working cover FEJ-A02S05, scope of delivery: 5 items
FEJ-A05	Tripod FEJ-A05, Height of stand approx. 700 mm

Model	Description
FEJ-A06	Hook for underfloor weighing FEJ-A06
FEJ-A07	Relay output FEJ-A07
MLB-A05	RS232 interface cable MLB-A05
PWS-A02	RS232 interface cable PWS-A02
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

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
963-128	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
970-113	Warranty extension (+2 years) 970-113

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
	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
	Protection against dust and water splashes IP65
	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 tuning fork: A resonating body is electromagnetically excited, causing it to oscillate
	Package shipment by courier service: The duration of internal product provision is one day
	Suspended weighing: Load support with hook on the underside of the balance
	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days
	Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.
	Rechargeable battery pack: Rechargeable set
	Conformity assessment: The duration of the conformity assessment is 3 working days

ENGLISH