PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN CFS 50K-3

Professional, high-resolution counting scale with 100 item memories and second balance interface, counting resolution up to 75,000 points

ENGLISH



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FEATURES

- Precise, intuitive to use and digital – with our counting scales you can accelerate your annual stock taking processes and thus save time and money
- 100 item memories for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- Programmable using numerical key pad:
  - required reference quantity
  - known reference weight
- Three displays for weight display, reference weight, total pieces
- Weighing with tolerance range (checkweighing): a visual and audible signal helps with portioning, dispensing or grading
- Fill-to-target function: Programmable target quantity or target weight e.g. for checkweighing. A signal will be displayed when the target value is reached
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- Second balance interface to construct a high-resolution counting system, standard, e.g. with weighing bridges of KERN KFP V20

TECHNICAL DATA

- Large backlit LCD displays, digit height 20 mm
- Dimensions weighing surface, stainless steel, W×D 370×240 mm
- Overall dimensions 370×360×100 mm
- Net weight approx. 4,4 kg
- Permissible ambient temperature 0 °C/40 °C

MAIN SCOPE OF APPLICATIONS

- Warehouse logistics
- Industrial applications
- Production monitoring
- Quality control
- Counting applications
- Order picking and inventory

PICTOGRAMS

Standard



Option



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MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Smallest part weight (Normal)	Counting resolution Points	Dimensions weighing surface
CFS 6K0.1	6 kg	0,0001 kg	1 g	60.000	295×225 mm
CFS 15K0.2	15 kg	0,0002 kg	2 g	75.000	295×225 mm
CFS 30K0.5	30 kg	0,0005 kg	5 g	60.000	295×225 mm
CFS 50K-3	50 kg	0,001 kg	10 g	50.000	370×240 mm
CFS 300-3	300 g	0,001 g	10 mg	300.000	80 mm
CFS 3K-5	3000 g	0,01 g	100 mg	300.000	295×225 mm

ACCESSORIES

Model	Description
337-16	Test weight 337-16 (OIML Class F2, Nominal value 50 kg, Knob, stainless steel fine turned)
AFH 13	Converter RS232 to USB AFH 13
CFS-A01	RS232 interface cable CFS-A01
CFS-A03	Signal lamp KERN CFS-A03
CFS-A04	RS-232 Y-interface cable CFS-A04
GAB-A04	Rechargeable battery pack GAB-A04 (Pb)
PFB-A02	Power adapter PFB-A02 (12 V, 500 mA | 100 V - 240 V, 50 / 60 Hz | EURO, CH)
PFB-A03	Power adapter PFB-A03 (12 V, 500 mA | 100 V - 240 V, 50 / 60 Hz | UK)

Model	Description
PFB-A04	Power adapter PFB-A04 (12 V, 500 mA | 100 V - 240 V | US)
RFS-A02	Stainless steel fruit pan RFS-A02
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
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
961-248	Adjustment at the location of installation 961-248 (Not in combination with verification)
963-128	DAkkS calibration certificate 963-128
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
	Memory: Device-internal memory capacity, e.g. for article data, measuring data, tare weights, PLU etc.
	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	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
	Sum function: The weight values of weighed items can be added together and the total printed out
	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