

PRODUCT BROCHURE

KERN CFS 50K-3

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ENGLISH



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

CONTACT

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PRODUCT SHOWCASE



DESCRIPTION

- Precise, intuitive to use and digital – with our counting scales you can accelerate your annual stock taking processes and thus save time and money
- 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

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	CFS 50K-3
Model-Serie	CFS

Assortment	KERN
Product Type	Industrial scales
Product group	Counting scales
Product usage type	Main article

EAN code (Model)	4045761144484
Customs tariff number	84238220
CE Label	yes

Technical data - Primary

Weighing capacity	50 kg
Readability	0.001 kg
Counting resolution	50000
Minimum piece weight	10 g
Net weight	4.4 kg
Platform size	370×240 mm

Technical data - Construction

Casing material	plastic
Dimension housing (W×D×H)	370×360×100 mm
Dimensions device (W×D×H)	320×350×125 mm
Material weighing plate	stainless steel
Bubble Level	yes
Revolving screw feet	yes
Weighing surface (d)	370×240 mm
Dimensions of weighing plate (W×D)	370×240 mm
IP protection load cell	IP65

Technical data - Display

Display height	20 mm
Backlight	yes

Technical data - Power supply

Mains adapter/adapter included	CH;EURO;UK;US
Charging time	14 h
Input Voltage	220 V - 240 V AC, 50 Hz
Operating time (Backlight off)	70 h
Rechargeable battery	Rchrg. battery optional

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 0.002 kg
Readability	0.001 kg
Recommended adjusting weight	50 kg (F2)
Repeatability	0.001 kg
Resolution	50.000
Stabilisation time under laboratory conditions	2 s
Tare range	50 kg
Warm up time	120 min
Weighing system	Strain gauge
Weighing units	kg;lb

Technical data - Environmental conditions

Maximum humidity	80 %
Maximum operating temperature	40 °C
Minimum ambient temperature	0 °C
Minimum humidity	0 %

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	470×440×205 mm
Gross weight	6 kg
Net weight	4.4 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	537 g
Packaging component - by weight - styrofoam	179 g
Delivery time	1 d

Technical data - Counting data

Counting resolution	50000
Minimum piece weight at piece counting (Laboratory)	1 g
Minimum piece weight	10 g

Optional Services

DAkkS Calibration	963-128
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FUNCTIONS

Standard	
 CAL EXT	 MEMORY
 RS 232	 DUAL
 KCP	 GLP
 PROTOCOL	 PRINTER
 PCS	 SUM
 TOL	 MULTI
 DMS	 1 DAY
Option	
 ACCU	 DAkkS
	+3 DAYS

ACCESSORIES

Model	Description
RFS-A02	Tare pan KERN RFS-A02
911-013	Matrix needle printer KERN 911-013
PFB-A03	Power supply KERN PFB-A03
PFB-A02	Power supply KERN PFB-A02
PFB-A04	Power supply KERN PFB-A04
GAB-A04	Internal Rechargeable Battery Pack KERN GAB-A04
CFS-A03	Signal lamp KERN CFS-A03
CFS-A04	Data Interface KERN CFS-A04
YKI-01	RS-232 / Ethernet adapter KERN YKI-01
YKN-01	Matrix needle printer KERN YKN-01
YKI-02	RS-232 / Bluetooth adapter KERN YKI-02
YKA-11	Power supply KERN YKA-11
336-39	Test Weight KERN 336-39
AFH 13	Converter KERN AFH 13
CFS-A01	Interface cable CFS-A01
YKC-01	Thermal printer KERN YKC-01

SERVICES

Model	Description
963-128	DAkkS Calibration KERN 963-128
961-248	Adjustment at the location of installation 961-248
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-016	Warranty extension KERN (+3 years) 970-016

SPARE PARTS

Model	Description
PFB-A03	Power supply KERN PFB-A03
PFB-A02	Power supply KERN PFB-A02
PFB-A04	Power supply KERN PFB-A04
GAB-A04	Internal Rechargeable Battery Pack KERN GAB-A04

Model	Description
RCFS-4006	Display overlay KERN RCFS-4006
YKA-11	Power supply KERN YKA-11
RGABP-6001	Weighing plate KERN RGABP-6001
RGABP-8002	Adjustable base foot RGABP-8002
REWN-5001	Power socket REWN-5001

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Counting resolution	Minimum piece weight	Net weight	Platform size
CFS 6K0.1	6 kg	0.0001 kg	60000	1 g	3.2 kg	295×225 mm
CFS 15K0.2	15 kg	0.0002 kg	75000	2 g	3.3 kg	295×225 mm
CFS 30K0.5	30 kg	0.0005 kg	60000	5 g	3.23 kg	295×225 mm
CFS 300-3	300 g	0.001 g	300000	10 mg	2.5 kg	80 mm
CFS 50K-3	50 kg	0.001 kg	50000	10 g	4.4 kg	370×240 mm
CFS 3K-5	3000 g	0.01 g	300000	100 mg	3.211 kg	295×225 mm