

PRODUCT BROCHURE

KERN FCB 30K-3DM

Date: 18.04.2025

ENGLISH



The new FCB: Checkweighing and portioning scale with up to three interfaces, with optional verification

CONTACT

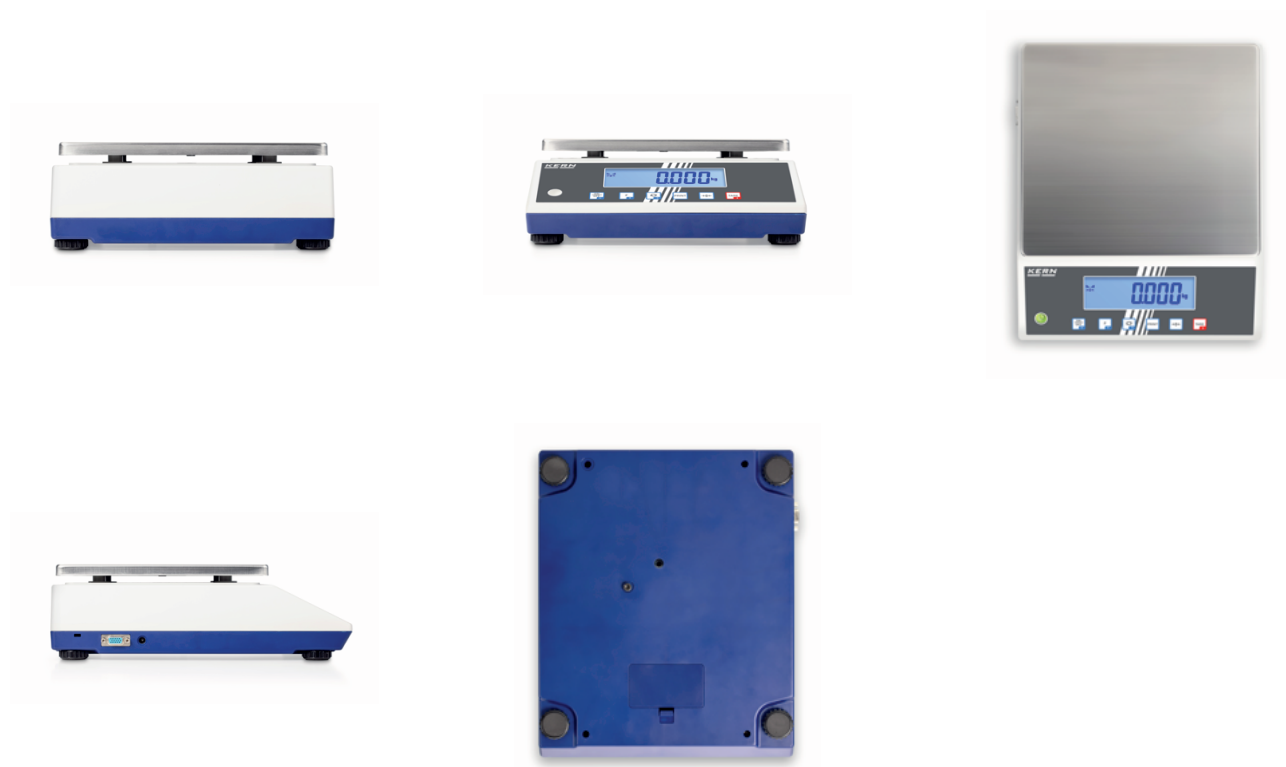
KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com



Scan here for more
information

PRODUCT SHOWCASE



ENGLISH

DESCRIPTION

- Standardised, convenient KERN concept of operation, consistency across products in terms of design, menu structure, button functions, interface connection and interface protocol
- Compact size, practical for small spaces
- Industry 4.0: Data and control commands can be exchanged through the KERN Universal Port (KUP) using one interface, which can be connected to the housing, or through three parallel interfaces using the KUP Extension box. The following interfaces are available as an option: RS-232, USB, Ethernet, WiFi, Bluetooth
- Data query and remote control of the balance using a computer or CRM/ERP systems using the KERN Communication Protocol
- High mobility: Thanks to battery operation/rechargeable battery operation (optional), compact, lightweight construction, it is suitable for the use in several locations
- Weighing with tolerance range (checkweighing): Input of two upper and two lower limit values through four arrow keys. An audible and visual signal assists with the portioning, dispensing or grading
- Summation of weight values
- Protective working cover included with delivery

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	FCB 30K-3DM
Model-Serie	FCB
Assortment	KERN
Product Type	Food scales
Product group	Bench scales
Product usage type	Main article
EAN code (Model)	404576 12435 14
Predecessor Model	GAB 30K5DNM
Customs tariff number	84238 129

Technical data - Primary

Weighing capacity	15 kg; 30 kg
Readability	0.005 kg; 0.01 kg
Verification value (e)	0.005 kg; 0.01 kg
Minimum load (Min)	0.1 kg

Technical data - Construction

Material weighing plate	stainless steel
Bubble Level	yes
Revolving screw feet	yes
Weighing surface (d)	252×225 mm
Dimensions of weighing plate (W×D)	252×225 mm
Dimension completely mounted (W×D×H)	325×270×105 mm
Material casing	plastic
IP protection indicator	no IP protection

IP protection load cell IP65

Technical data - Display

Display height	25 mm
----------------	-------

Technical data - Power supply

Operating time	20 h
Mains adapter/adaptor included	CH;EURO;UK;US
Charging time	8 h
Input Voltage	100 V - 240 V AC, 50 / 60 Hz
Operating time (Backlight off)	48 h
Rechargeable battery	Rchrg. battery optional

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 0.005 kg; 0.01 kg
Readability	0.005 kg; 0.01 kg
Recommended adjusting weight	30 kg (M1)
Repeatability	0.005 kg; 0.01 kg
Weighing units	%;ct;dwt;ffa;g;gn;kg;lb;oz; PCS
Weighing system	Strain gauge

Technical data - Environmental conditions

Maximum humidity	80 %
Maximum operating temperature	40 °C

Minimum ambient temperature	-10 °C
Minimum humidity	0 %

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	395×335×200 mm
Gross weight	4.6 kg
Net weight	4 kg
Shipping method	Parcel service
Packaging component - by weight - cardboard	286 g
Packaging component - by weight - plastics	286 g
Delivery time	1 d

Technical data - Counting data

Counting resolution	30000
Minimum piece weight at piece counting (Laboratory)	1 g
Minimum piece weight	10 g

Technical data - Verification


Verification Value E	0.005 kg; 0.01 kg
Minimum Load Min	0.1 kg
Verification approval conforming to 2014/31/EU	yes
Verification by KERN possible	yes
Verification class	III


Optional Services


DAkkS Calibration	963-128
Verification	965-228


FUNCTIONS


Standard


CAL EXT


MEMORY


ALIBI











PCS


SUM


PERCENT


UNIT
















Option








USB

BT 4.0


WIFI

LAN

ACCU

DAkkS
+3 DAYS

Factory



ACCESSORIES

Model	Description
CFS-A03	Signal lamp KERN CFS-A03
YKR-01	Internal Rechargeable Battery Pack KERN YKR-01
YKG-01	Dot Matrix Printer KERN YKG-01
YKH-01	Printer KERN YKH-01
KUP-04	Adapter KERN KUP-04
SCD-4.0-DLS05	BalanceConnection Standard KERN SCD-4.0-DLS05
911-013	Matrix needle printer KERN 911-013
KUP-05	Adapter KERN KUP-05
KUP-06	Adapter KERN KUP-06
KUP-13	Connecting cable KERN KUP-13
YKA-27	Power Adapter KERN YKA-27
YBA-A14	Protective Working Cover KERN YBA-A14
YBA-A14S05	Protective Working Cover KERN YBA-A14S05
YKC-01	Thermal printer KERN YKC-01
KUP-01	Adapter KERN KUP-01
KUP-03	Adapter KERN KUP-03
SCD-4.0-PRO-DL-AS05	Software KERN BalanceConnection SCD-4.0-PRO-DL-AS05

SERVICES

Model	Description
970-014	Warranty extension KERN (+3 years) 970-014
963-128	DAkkS Calibration KERN 963-128
961-248	Adjustment at the location of installation 961-248
965-228	Verification / Conformity assessment according to NAWI (2014/31/EU) KERN 965-228
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate) 969-517

SPARE PARTS

Model	Description
RFCB-6001	Weighing plate KERN RFCB-6001

Model	Description
YKA-27	Power Adapter KERN YKA-27
RTPCB-8001	Adjustable base foot KERN RTPCB-8001
RTPCB-8003	Battery compartment cover KERN RTPCB-8003
RTFCB-4008	Keyboard overlay KERN RTFCB-4008

SOFTWARES

Model	Description
SCD-4.0-DL	BalanceConnection Standard KERN SCD-4.0-DL
SCD-4.0-PRO-DL	Software KERN BalanceConnection SCD-4.0-PRO-DL
SET-17	KERN EasyTouch SET-17 PrePack
SET-01	KERN EasyTouch SET-01 Base
SET-21	KERN EasyTouch SET-21 Formulation
SET-22	KERN EasyTouch SET-22 Difference
SET-31	KERN EasyTouch SET-31 Tolerance
SET-32	KERN EasyTouch SET-32 Count
SET-33	KERN EasyTouch SET-33 Target Count
SET-04	KERN EasyTouch SET-04 Density
SET-05	KERN EasyTouch SET-05 Dynamic
SET-06	KERN EasyTouch SET-06 Classification
SET-07	KERN EasyTouch SET-07 Variable
SET-08	KERN EasyTouch SET-08 Take-out
SET-10	KERN EasyTouch SET-10 Save Server
SET-11	KERN EasyTouch SET-11 Safety
SET-16	KERN EasyTouch SET-16 Batch and Statistics
SET-14	KERN EasyTouch SET-14 Individual Print
SET-28	KERN EasyTouch SET-28 Customization Service
SET-35	KERN EasyTouch SET-35 Assembly Count
SET-18	KERN EasyTouch SET-18 Container Master
SET-46	KERN EasyTouch TSET-46-A Backup Scheduler
SET-51	KERN EasyTouch SET-51 Audit Logs
SET-411	KERN EasyTouch SET-411 Hotkeys

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Verification value (e)	Minimum load (Min)
FCB 8K0.1	8000 g	0.1 g	-	-
FCB 12K1	12 kg	0.001 kg	-	-
FCB 30K1	30 kg	0.001 kg	-	-
FCB 12K-4	12 kg	0.0001 kg	-	-
FCB 6K-5	6000 g	0.05 g	-	-
FCB 30K-4	30 kg	0.0002 kg	-	-
FCB 6K-3DM	3000 g; 6000 g	1 g; 2 g	1 g; 2 g	20 g
FCB 15K-3DM	6 kg; 15 kg	0.002 kg; 0.005 kg	0.002 kg; 0.005 kg	0.04 kg
FCB 30K-3DM	15 kg; 30 kg	0.005 kg; 0.01 kg	0.005 kg; 0.01 kg	0.1 kg
FCB 12K1-2024a	12000 g	1 g	-	-