PRODUCT BROCHURE

KERN
FCB 8K0.1

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

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KERN

PRODUCT SHOWCASE

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 8K0.1
Model-Serie	FCB

Assortment	KERN
Product Type	Food scales
Product group	Bench scales
Product usage type	Main article
EAN code (Model)	4045761475564

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Predecessor Model	FCB 3K0.1; FCB 3K0.1-2024a; FCB 6K0.5-2024a; FCB 8K0.1-2017a; FCB 8K0.1-2024a
Customs tariff number	84238129

Input Voltage	100 V - 240 V AC, 50 / 60 Hz
Operating time (Backlight off)	48 h
Rechargeable battery	Rchrg. battery optional

Technical data - Primary

Weighing capacity	8000 g
Readability	0.1 g

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/adapter included	CH;EURO;UK;US
Charging time	8 h

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 0.3 g
Readability	0.1 g
Recommended adjusting weight	5 kg (F1); 2 kg (F1); 1 kg (F1)
Repeatability	0.1 g
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	0 °C
Minimum humidity	0 %

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	395×335×200 mm
Gross weight	4.2 kg
Net weight	3.8 kg
Shipping method	Parcel service

Packaging component - by weight - cardboard	1167 g
Packaging component - by weight - plastics	22 g
Packaging component - by weight - styrofoam	384 g
Packaging component - by weight - foam	74 g
Delivery time	1 d

Technical data - Counting data

Counting resolution	80000
Mininum piece weight at piece counting (Laboratory)	100 mg
Minimum piece weight	1 g

Technical data - Verification

Verification approval conforming to 2014/31/EU	yes

Optional Services

DAkkS Calibration	963-128

FUNCTIONS

Standard

Option

ACCESSORIES

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

SERVICES

Model	Description
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-014	Warranty extension KERN (+3 years) 970-014
963-128	DAkkS Calibration KERN 963-128

SPARE PARTS

Model	Description
RFCB-6001	Weighing plate KERN RFCB-6001
RTFCB-4003	Keyboard overlay KERN RTFCB-4003

Model	Description
RTPCB-8001	Adjustable base foot KERN RTPCB-8001
RTPCB-8003	Battery compartment cover KERN RTPCB-8003
R440-000-13-001	DC socket R440-000-13-001
YKA-27	Power Adapter KERN YKA-27

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

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	-	-

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