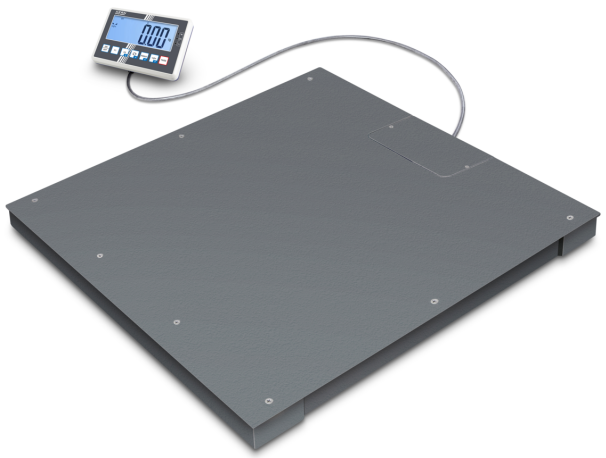
KERN **BFC 2T-5DS**

High resolution floor scale with screwed-on weighing plate (IP67)



Date of creation: 04.10.2026

Category

Brand	KERN
Product category	Industrial scale
Product group	Floor scale
Product family	BFC

Measuring System

Weighing system	Strain gauge
Number of weighing ranges	2
Weighing capacity [Max]	1000 kg; 2000 kg
Readability [d]	0,05 kg; 0,1 kg
Reproducibility	0,05 kg; 0,1 kg
Linearity	± 0,15 kg; 0,3 kg
Resolution	20.000, 20.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	2000 kg (M1)
Stabilization time	3 s
Linearisation in dots	2
Eccentric loading at 1/3 [Max]	0,25 kg
Construction type of the scale	Multi-range balance
Units	kg g lb ffa PCS %
Load cell connection	6-wire
Maximum creep (15 minutes)	400 g
Maximum creep (30 minutes)	800 g
Default unit	kg
Loadcell type	ZEMIC H8C 1 ton
Warm-up time	30 min; 30 min

Display

Display type	LCD
Display type	LCD with backlight
Display backlight	✓
Display screen size	160×60 mm
Display segments	6
Display digit height	48 mm
Languages of the user interface	English Symbol language

Construction

Dimension display device (W×D×H)	220×150×66,5 mm
Dimensions weighing surface (W×D)	1000×1000 mm
Dimensions weighing surface	1000×1000 mm
Dimensions weighing platform (W×D×H)	1000×1000×85 mm
Material weighing plate	steel, powder-coated
Material platform	steel, powder-coated
Material display housing	plastic
Material load cell(s)	alloyed steel
Level indicator	✓
Levelling feet adjustable	✓
Stand rotatable	no
Stand inclinable	no
Wall mount	✓
Display device cable length	5 m
Platform Construction	Screwed load plate; smooth surface (unscrewable)
Load cells - number	4

Functions

IP protection - complete device	-
IP protection - display	no IP protection
IP protection - platform	IP67
IP protection - load cell	IP67
PreTare function	✓
Percentage determination	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓

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Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min 60 min 30 sec
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Counting resolution (laboratory conditions)	40.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	50 g
Reference quantity	5, 10, 20, 50, n (any number of pieces)
Recipe/summing level	Sum A
Alibi memory	optional internal memory
Alibi memory - number of memory spaces	250.000
Number of keys for operation	7
Smallest piece weight when piece counting - normal conditions	500 g
Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 (optional) Ethernet (optional) Alibi memory (optional, factory) analogue (0 - 10 V) (optional) analogue (4 - 20 mA) (optional) Bluetooth BLE (v4.0) (optional) USB-Device (optional) KUP WiFi (optional)
compatible with EasyTouch	✓

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	5,9V, 1A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm
Battery / accumulator type	Li-Metal
Battery	3 V CR2032
Battery capacity	210 mAh
Battery voltage	3 V
Battery – Number of cells	1
Battery – Individual weight	3,2 g
Battery – Total weight	3,2 g
Battery – Construction	Individual cells
Battery capacity (Wh)	0,66 Wh
Battery – Lithium content	64 mg
Battery – Tests passed UN 38.3	✓
Rechargeable battery operating time - backlight on	11 h
Rechargeable battery operating time - backlight off	22 h
Rechargeable battery charging time	8 h
Rechargeable battery optional	Rchrg. battery optional - intern

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humity of environment [Min]	0 %
Humity of environment [Max]	80 %

Services (optional)

Article number for adjustment at the location of installation	961-251
Article number for DAkkS calibration	963-131

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Article number for certificate of conformity	969-517

Packing & Shipping

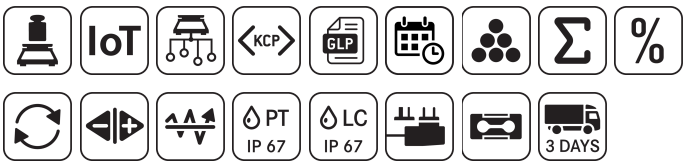
Delivery time	3 d
Dimensions packaging (W×D×H)	1115×1080×350 mm
Shipping method	Freight
Net weight approx.	100 kg
Gross weight approx.	135 kg
Shipping weight	132 kg
Shipping volume weight	84,3 kg

Product information

GTIN/EAN number	4045761492516
Trade number	84238220
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

FACTORY