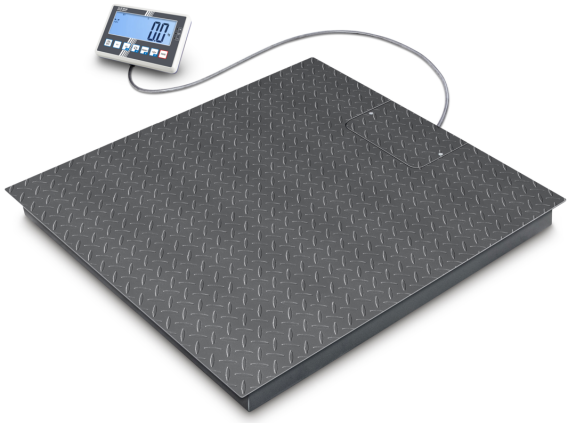
KERN **BFC 8T-4D**

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



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]	4000 kg; 8000 kg
Readability [d]	0,2 kg; 0,5 kg
Reproducibility	0,2 kg; 0,5 kg
Linearity	± 0,6 kg; 1,5 kg
Resolution	20.000, 16.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	8000 kg (M1)
Stabilization time	3 s
Linearisation in dots	2
Eccentric loading at 1/3 [Max]	1 kg
Construction type of the scale	Multi-range balance
Units	kg g lb ffa PCS %
Load cell connection	6-wire
Maximum creep (15 minutes)	2 kg
Maximum creep (30 minutes)	4 kg
Default unit	kg
Loadcell type	ZEMIC H8C 3 ton

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)	1500×1500 mm
Dimensions weighing surface	1500×1500 mm
Dimensions weighing platform (W×D×H)	1500×1500×123 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	Welded load plate; chequer plate
Load cells - number	4

Functions	
PreTare function	✓
Recipe/summing level	Sum A
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Alibi memory	optional internal memory
Alibi memory - number of memory spaces	250.000
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	40.000
Counting reference weight can be entered	✓

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Smallest piece weight when piece counting - laboratory conditions	200 g
Smallest piece weight when piece counting - normal conditions	2 kg
Reference quantity	5, 10, 20, 50, n (any number of pieces)
IP protection - complete device	-
IP protection - display	no IP protection
IP protection - platform	IP67
IP protection - load cell	IP67
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)
Number of keys for operation	7

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-Ion
Battery	3 V CR2032
Battery capacity	210 mAh
Battery voltage	3 V
Battery – Number of cells	1
Battery – Individual 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 %

Approval

CE mark	✓

Services (optional)

Article number for adjustment at the location of installation	961-252
Article number for DAkkS calibration	963-133
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	2 d
Dimensions packaging (W×D×H)	1615×1580×360 mm
Shipping method	Freight
Net weight approx.	225 kg
Gross weight approx.	290 kg
Shipping weight	287 kg

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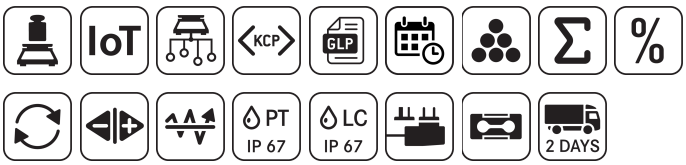
Shipping volume weight	183,7 kg

Product information

GTIN/EAN number	4045761492479
Trade number	84238220
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

FACTORY