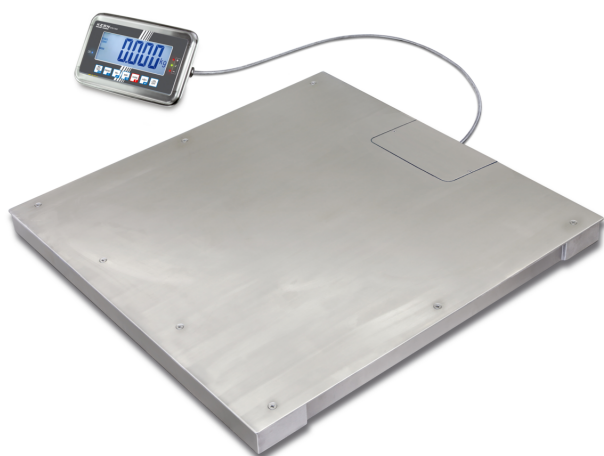


# KERN BFN 1T-4SM

Stainless steel weighing bridge with screwed-on weighing plate (IP68) and stainless steel display device (IP65), verification optional



Display backlight	✓
Display screen size	165×64 mm
Display digit height	52 mm
Languages of the user interface	Symbol language

## Construction

Dimensions completely mounted (W×D×H)	1000×1000×90 mm
Dimension display device (W×D×H)	266×165×96 mm
Dimensions weighing surface (W×D)	1000×1000 mm
Dimensions weighing surface	1000×1000 mm
Dimensions weighing platform (W×D×H)	1000×1000×90 mm
Material weighing plate	stainless steel
Material platform	stainless steel (SUS304)
Material display housing	stainless steel
Material load cell(s)	stainless steel
Material substructure	stainless steel
Level indicator	✓
Levelling feet adjustable	✓
Stand inclinable	✓
Wall mount	✓
Cable length	5 m
Display device cable length	5 m
Allowed cable length display device [Max]	30 m
Platform Construction	Screwed load plate; smooth surface
Load cells - number	4

## Functions

Sum memory function	✓
Recipe/summing level	Sum A
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Reference quantity	10, 20, 50, 100, 200
IP protection - complete device	-
IP protection - display	IP65
IP protection - platform	IP67
IP protection - load cell	IP68
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 5 min

## Category

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

## Measuring System

Weighing system	Strain gauge
Number of weighing ranges	1
Weighing capacity [Max]	1500 kg
Readability [d]	0,5 kg
Reproducibility	0,5 kg
Linearity	± 1,5 kg
Minimum weight [Min] (verifiable)	10 kg
Resolution	3.000
Tare range	-1500 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	1500 kg (M1)
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	2,5 kg
Construction type of the scale	Single-range balance
Units	kg
Units (if device is conformity assessed)	kg
Load cell connection	4-wire
Default unit	kg
Loadcell type	ZEMIC BM8H 1 ton

## Display

Display type	LCD
Display type	LCD with backlight

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	30 min 15 min
Auto-off interval(s) in mains power mode	3 min off 5 min 30 min 15 min
Tare function	manual (multi)
Number of keys for operation	7

Interface	
Interfaces	RS-232 (optional, factory) Bluetooth BTC (v2.0) (optional, factory) analogue (0 - 10 V) (optional, factory) analogue (4 - 20 mA) (optional, factory)

Power Supply	
Supplied power supply	Accu & Power supply
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 AUS UK US CH
Input voltage power supply / power [Max]	110 V - 230 V AC
Power supply cable removable	removable
Input voltage device / power [Max]	12 V, 500 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm
Battery / accumulator type	Pb
Battery	no battery
Battery connection	Plug-in terminals
Rechargeable battery	6 V, 4 Ah
Rechargeable battery operating time - backlight on	20 h
Rechargeable battery operating time - backlight off	35 h
Rechargeable battery charging time	12 h

Battery/Accu connected	fixed electrical connection, not insulated
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Environmental conditions	
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Min]	0 %
Humidity of environment [Max]	80 %

Approval	
CE mark	✓
Conformity assessment possible ex works	✓
Accuracy classe	III
Verification scale interval [e]	0,5 kg

Services (optional)	
Article number for adjustment at the location of installation	961-250
Article number for conformity assessment	965-230
Article number for DAkkS calibration	963-130
Article number for certificate of conformity	969-517

Packing & Shipping	
Delivery time	2 d
Dimensions packaging (W×D×H)	1150×1150×350 mm
Shipping method	Freight
Net weight approx.	85 kg
Gross weight approx.	135 kg
Shipping weight	132 kg
Shipping volume weight	92,6 kg

Product information	
GTIN/EAN number	4045761244757
Trade number	84238220
REACH classification	no prohibited substances

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Stainless steel weighing bridge with screwed-on weighing plate (IP68) and stainless steel display device (IP65), verification optional

## Pictograms

### STANDARD



### OPTION



### FACTORY

