

KERN BFB 3T1LM

Weighing bridge with screwed-on weighing plate (IP67) and XXL display device, verification optional



Pattern approval for conformity assessment	✓
Accuracy classe	III
Verification scale interval [e]	1 kg
Conformity assessment possible ex works	✓

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

Construction	
Dimension display device (W×D×H)	250×160×58 mm
Dimensions weighing platform (W×D×H)	1500×1500×85 mm
Material display housing	Plastics
Material weighing plate	steel, lacquered
Material platform	steel, powder-coated
Dimensions weighing surface (W×D)	1500×1500 mm
Cable length	5 m
Display device cable length	5 m
Allowed cable length display device [Max]	30 m
Material load cell(s)	alloyed steel
Load cells - number	4
Levelling feet adjustable	✓
Stand inclinable	✓

Functions	
Number of keys for operation	7
Tare function	manual (single & multi)
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Sum A
Sum memory function	✓
Underfloor weighing	None

Interfaces	
	RS-232 standard
	Bluetooth BTC (v2.0) (optional, factory)
	analogue (0 - 10 V) (optional, factory)

Category	
Brand	KERN
Product category	Industrial scale
Product group	Floor scale
Product family	BFB

Measuring System	
Construction type of the scale	Single-range balance
Number of weighing ranges	1
Weighing system	Strain gauge
Weighing capacity [Max]	3000 kg
Readability [d]	1 kg
Resolution	3.000
Linearity	± 2 kg
Reproducibility	1 kg
Tare range	-3000 kg
Default unit	kg
Units	kg
Units (if device is conformity assessed)	kg
Minimum weight [Min]	20 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	3000 kg (M2)
Stabilization time	2 s
Warm-up time	10 min
Eccentric loading at 1/3 [Max]	2 kg
Loadcell type	ZEMIC H8C 1.5 ton
Load cell connection	4-wire

Approval	
CE mark	✓

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	analogue (4 - 20 mA) (optional, factory)
IP protection - complete device	IP67 (load cell)
IP protection - display	no IP protection
IP protection - load cell	IP67

Counting

Reference quantity	10, 20, 50, 100, 200
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Power Supply

Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
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Input voltage device / power [Max]	12 V, 500 mA
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Plug-in power supply type	Power adapter
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Supplied power supply	Power supply unit
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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	

Rechargeable battery optional	Rchrg. battery optional (factory)
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Rechargeable battery charging time	10 h
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Rechargeable battery operating time - backlight on	8 h
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Rechargeable battery operating time - backlight off	35 h
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Battery	no battery
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Battery / accumulator type	Pb
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Environmental conditions

Humidity of environment [Min]	0 %
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Humidity of environment [Max]	80 %
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Ambient temperature [Min]	-10 °C
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Ambient temperature [Max]	40 °C
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Storage temperature [Min]	-20 °C
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Storage temperature [Max]	60 °C
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Packing & Shipping

Readability force [d] (N)	2 d
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Dimensions packaging (W×D×H)	1500×1500×330 mm
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Net weight	155 kg
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Shipping method	Freight
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Net weight approx.	155 kg
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Gross weight approx.	235 kg
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Shipping weight	235 kg
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Services (optional)

Article number for adjustment at the location of installation	961-252
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Article number for conformity assessment	965-232
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Article number for DAkkS calibration	963-132
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Article number for certificate of conformity (verification)	969-517
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Pictograms

STANDARD



OPTION



FACTORY

