KERN **BFN 600K-1SM**

KERN

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

Category	
Brand	KERN
Product categoriy	Industrial scale
Product group	Floor scale
Product family	BFN

Measuring System	
Construction type of the scale	Single-range balance
Number of weighing ranges	1
Weighing system	Strain gauge
Weighing capacity [Max]	600 kg
Readability [d]	0,2 kg
Resolution	3.000
Linearity	± 0,6 kg
Reproducibility	0,2 kg
Tare range	-600 kg
Default unit	kg
Units	kg
Units (if device is conformity assessed)	kg
Minimum weight [Min]	4 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	600 kg (M1)
Stabilization time	2 s
Warm-up time	10 min
Eccentric loading at 1/3 [Max]	1 kg
Loadcell type	ZEMIC BM8H 0.5 ton
Load cell connection	4-wire

Approval	
CE mark	✓

Accuracy classe	III
Verification scale interval [e]	0,2 kg
Conformity assessment possible ex works	✓

Display	
Display type	LCD
Display type	LCD with backlight
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)	266×165×96 mm
Dimensions weighing platform (W×D×H)	1000×1000×90 mm
Material display housing	stainless steel
Material weighing plate	stainless steel
Material platform	stainless steel (SUS304)
Dimensions weighing surface (W×D)	1000×1000 mm
Cable length	5 m
Display device cable length	5 m
Allowed cable length display device [Max]	30 m
Material load cell(s)	Stainless steels
Load cells - number	4
Levelling feet adjustable	✓
Wall mount	✓
Stand inclinable	✓

Functions	
Number of keys for operation	7
Auto-off interval(s) in mains power mode	3 min off 5 min 30 min 15 min
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min off 5 min 30 min 15 min
Tare function	manual (multi)
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual

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Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Sum A
Sum memory function	✓
Interfaces	RS-232 (optional, factory) Bluetooth BTC (v2.0) (optional, factory) analogue (0 - 10 V) (optional, factory) analogue (4 - 20 mA) (optional, factory)
IP protection - complete device	-
IP protection - display	IP65
IP protection - load cell	IP68
IP protection - platform	IP67

Counting

Reference quantity	10, 20, 50, 100, 200

Power Supply

Input voltage power supply / power [Max]	110 V - 230 V AC
Input voltage device / power [Max]	12 V, 500 mA
Plug-in power supply type	Power adapter
Supplied power supply	Accu & Power supply
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 charging time	12 h
Rechargeable battery operating time - backlight on	20 h
Rechargeable battery operating time - backlight off	35 h
Battery	no battery
Battery / accumulator type	Pb
Battery connection	Plug-in terminals

Environmental conditions

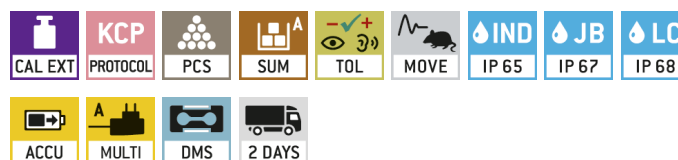|	
Humity of environment [Min]	0 %
Humity of environment [Max]	80 %
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C

Packing & Shipping

Readability force [d] (N)	2 d
Dimensions packaging (W×D×H)	1150×1150×350 mm
Net weight	85 kg
Shipping method	Freight
Net weight approx.	85 kg
Gross weight approx.	130 kg
Shipping weight	130 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 (verification)	969-517

Pictograms

STANDARD

CAL EXT | KCP PROTOCOL | PCS | SUM | TOL | MOVE | IND IP 65 | JB IP 67 | LC IP 68

ACCU | MULTI | DMS | 2 DAYS

OPTION

DAkkS +3 DAYS

FACTORY

RS 232 | BT 2.0 | ANALOG | M +3 DAYS