

KERN SFB 100K-2HM



Stainless steel platform scale with IP65/IP67 protection, elevated display and optional verification



Pattern approval for conformity assessment	✓
Accuracy classe	III
Verification scale interval [e]	0,05 kg
Conformity assessment possible ex works	✓

Display

Display type	LCD
Display backlight	✓
Display digit height	52 mm

Construction

Dimension display device (W×D×H)	266×165×96 mm
Dimensions weighing platform (W×D×H)	400×300×107 mm
Dimensions completely mounted (W×D×H)	400×460×590 mm
Material display housing	stainless steel
Material weighing plate	stainless steel
Material platform	Stainless steel
Dimensions weighing surface (W×D)	400×300 mm
Cable length	0 m
Display device cable length	0 m
Allowed cable length display device [Max]	30 m
Material load cell(s)	Stainless steels
Levelling feet adjustable	✓
Wall mount	✓
Stand height	400 mm
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 (single & multi)
Counting function	✓
Tolerance weighing	✓

Category

Brand	KERN
Product category	Industrial scale
Product group	Stainless steel platform scale
Product family	SFB

Measuring System

Conformity assessment possible	✓
Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	150 kg
Readability [d]	0,05 kg
Resolution	3.000
Linearity	± 0,05 kg
Reproducibility	0,05 kg
Tare range	150 kg
Default unit	kg
Units	kg
Minimum weight [Min]	1 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	120 kg (M1)
Stabilization time	2 s
Warm-up time	10 min
Eccentric loading at 1/3 [Max]	0,05 kg
Loadcell type	stainless steel IP67 silicone-coated
Load cell connection	6-wire

Approval

CE mark	✓
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Tolerance weighing - type of signal	acoustically visual
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 - display	IP65
IP protection - load cell	IP67
IP protection - platform	no IP protection

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	Battery & Power supply
Plug-in power supply / adapter for countries - included with the delivery	EURO AUS UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US
Rechargeable battery charging time	12 h
Rechargeable battery operating time - backlight on	20 h
Rechargeable battery operating time - backlight off	35 h
Battery / accumulator type	Pb
Battery connection	Plug-in terminals

Environmental conditions	
Humidity of environment [Min]	0 %
Humidity of environment [Max]	95 %
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Storage temperature [Min]	-20 °C

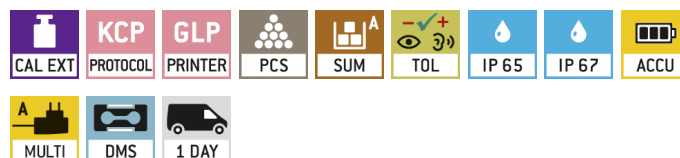
Storage temperature [Max] 60 °C

Packing & Shipping	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	795×465×220 mm
Net weight	9,7 kg
Shipping method	Parcel service
Net weight approx.	10 kg
Gross weight approx.	15 kg
Shipping weight	16,3 kg

Services (optional)	
Article number for adjustment at the location of installation	961-249
Article number for conformity assessment	965-229
Article number for DAkkS calibration	963-129
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION



FACTORY

