KERN **SFB 50K-3XL**

Stainless steel platform scale with IP65/IP67 protection and XL platform



Date of creation: 24.10.2026

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

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	50 kg
Readability [d]	0,005 kg
Reproducibility	0,005 kg
Linearity	± 0,01 kg
Resolution	10.000
Tare range	50 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	50 kg (M1)
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,025 kg
Construction type of the scale	Single-range balance
Units	kg g lb Hj, tJ lb:oz
Units (if device is conformity assessed)	kg
Load cell connection	6-wire
Maximum creep (15 minutes)	20 g
Maximum creep (30 minutes)	40 g
Default unit	kg
Loadcell type	stainless steel IP67 silicone-coated
Warm-up time	30 min

Display	
Display type	LCD
Display type	LCD with backlight
Display backlight	✓
Display segments	5 + 1/2
Display digit height	52 mm

Construction	
Dimensions completely mounted (W×D×H)	500×560×590 mm
Dimension display device (W×D×H)	266×165×96 mm
Dimensions weighing surface (W×D)	500×400 mm
Dimensions weighing surface	500×400 mm
Dimensions weighing platform (W×D×H)	500×400×120 mm
Material weighing plate	stainless steel
Material platform	stainless steel
Material display housing	stainless steel
Material load cell(s)	stainless steel
Level indicator	✓
Levelling feet adjustable	✓
Wall mount	✓
Cable length	3 m
Display device cable length	3 m
Allowed cable length display device [Max]	30 m

Functions	
IP protection - display	IP65
IP protection - platform	no IP protection
IP protection - load cell	IP67
Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	selectable

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Auto-off interval(s) in mains power mode	selectable
Tare function	manual (multi)
Reference quantity	10, 20, 50, 100, 200
Recipe/summing level	Sum A
Number of keys for operation	7
Tolerance weighing - type of signal	acoustically visual

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 - optional	EURO UK US
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 connection	Plug-in terminals
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

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humity of environment [Min]	0 %
Humity of environment [Max]	95 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Services (optional)

Article number for adjustment at the location of installation	961-248
Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

Packing & Shipping

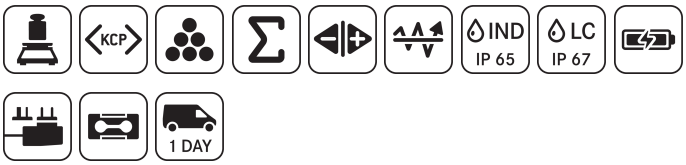
Delivery time	1 d
Dimensions packaging (W×D×H)	555×925×210 mm
Shipping method	Parcel service
Net weight approx.	13 kg
Gross weight approx.	14 kg
Shipping weight	21,6 kg
Shipping volume weight	21,6 kg

Product information

GTIN/EAN number	4045761247956
Trade number	84238220
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION



FACTORY

