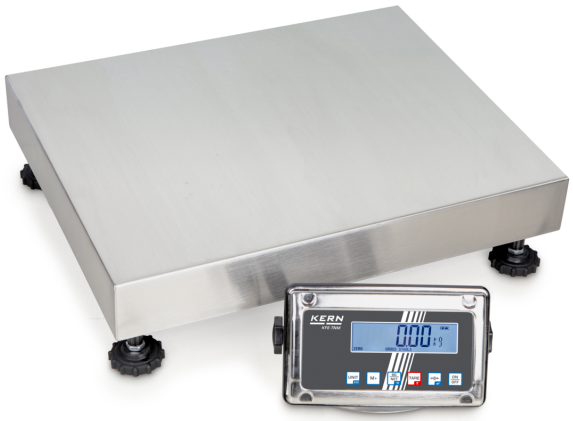
KERN **SFE 100K-2LNM**

Platform scale with IP65 dust and spray protection, verification optional



Date of creation: 02.10.2026

Category

Brand	KERN
Product category	Industrial scale
Product group	Platform scale
Product family	SFE

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	150 kg
Readability [d]	0,05 kg
Reproducibility	0,05 kg
Linearity	± 0,05 kg
Minimum weight [Min] (verifiable)	1 kg
Resolution	3.000
Tare range	149,95 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 kg (M1)
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,05 kg
Conformity assessment possible	✓
Construction type of the scale	Single-range balance
Units	kg
Units (if device is conformity assessed)	kg
Load cell connection	6-wire
Default unit	kg
Loadcell type	aluminium IP65 silicone-coated
Warm-up time	10 min

Display

Display type	LCD
Display backlight	✓
Display digit height	22 mm

Construction

Dimension display device (W×D×H)	195×118×83 mm
Dimensions weighing surface (W×D)	500×400 mm
Dimensions weighing surface	500×400 mm
Dimensions weighing platform (W×D×H)	500×400×127 mm
Material weighing plate	stainless steel
Material platform	steel, powder-coated
Material display housing	stainless steel
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Wall mount	✓
Display device cable length	3 m

Functions

IP protection - complete device	-
IP protection - display	IP65
IP protection - platform	no IP protection
IP protection - load cell	IP65
Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Tare function	manual (single & multi)
Recipe/summing level	Rez A (Net total)
Number of keys for operation	6
Tolerance weighing - type of signal	acoustically visual

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
Plug-in power supply / adapter for countries - optional	EURO AUS UK

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	US CH
Input voltage power supply / power [Max]	220 V - 240 V AC, 50 Hz
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	NiMH
Battery connection	2-pole tub connector
Battery – Individual weight	165 g
Rechargeable battery operating time - backlight on	10 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]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

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	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	550×930×210 mm
Shipping method	Parcel service
Net weight approx.	12 kg
Gross weight approx.	16 kg
Shipping weight	21,5 kg
Shipping volume weight	21,5 kg

Product information

GTIN/EAN number	4045761244627
Trade number	84238220
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD

OPTION

FACTORY