KERN **FKS 6K-4**

Networkable IP65 stainless steel bench scale with LED display and classification function

Date of creation: 04.10.2026

Category	
Brand	KERN
Product category	Industrial scale
Product group	Stainless steel scale
Product family	FKS

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	6000 g
Readability [d]	0,5 g
Reproducibility	0,5 g
Linearity	± 1,5 g
Resolution	12.000
Tare range	6000 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (M1)
Possible calibration points	2 kg; 4 kg; 6 kg
Stabilization time	2 s
Linearisation in dots	5
Eccentric loading at 1/3 [Max]	2,5 g
Construction type of the scale	Single-range balance
Units	kg g gn ct lb oz ffa %
Maximum creep (15 minutes)	2 g
Maximum creep (30 minutes)	4 g
Default unit	g
Warm-up time	30 min

Display	
Display type	LCD
Display type	14 segment LCD
Display backlight	✓
Display screen size	120×40 mm
Display segments	14
Display digit height	23,5 mm
Languages of the user interface	English

Construction	
Dimensions completely mounted (W×D×H)	325×230×60 mm
Dimension display device (W×D×H)	228×70×50 mm
Dimensions weighing surface (W×D)	228×228 mm
Dimensions weighing surface	228×228 mm
Dimensions weighing platform (W×D×H)	228×228×60 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	stainless steel
Material display housing	plastic
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Stand height	335 mm
Display device cable length	0,6 m
Platform Construction	Single-Cell
Load cells - number	1

Functions	
IP protection - complete device	IP65
IP protection - display	IP65
IP protection - platform	IP65
IP protection - load cell	IP65
PreTare function	✓
Percentage determination	✓
Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Counting function	✓
Capacity - Display	✓

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Auto-off interval(s) in battery mode/rechargeable battery mode	selectable
Auto-off interval(s) in mains power mode	selectable
Tare function	automatic & manual (multi)
Counting resolution (laboratory conditions)	12.000
Smallest piece weight when piece counting - laboratory conditions	500 mg
Reference quantity	1, 5, 10, 20, 50, n (any number of pieces)
Alibi memory	internal memory
Alibi memory - number of memory spaces	250.000
Memory - total size	0,016 GB
Number of keys for operation	6
Smallest piece weight when piece counting - normal conditions	5 g
Tolerance weighing - type of signal	visual

Interface

Interfaces	RS-232 (optional, factory) Ethernet (optional, factory) WiFi (optional, factory) Alibi memory analogue (0 - 10 V) (optional, factory) analogue (4 - 20 mA) (optional, factory) Bluetooth BLE (v4.0) (optional, factory) USB-Device (optional, factory)

Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	5V, 2,7A
Power socket for mains adapter	Magnetic plug
Battery / accumulator type	Li-Metal
Battery	no battery
Battery connection	Connector pin
Battery capacity	10.000 mAh
Battery voltage	3,7 V
Battery – Number of cells	1
Battery – Individual weight	3,2 g
Battery – Total weight	3,2 g
Battery – Construction	Individual cells
Battery capacity (Wh)	37 Wh
Battery – Lithium content	64 mg
Battery – Tests passed UN 38.3	✓
Rechargeable battery	3,7V 10Ah
Rechargeable battery operating time - backlight on	15 h
Rechargeable battery operating time - backlight off	15 h
Rechargeable battery charging time	5 h
Rechargeable battery optional	Rchrg. battery optional - intern

Environmental conditions

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

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)	450×350×160 mm
Shipping method	Parcel service
Net weight approx.	3,6 kg
Gross weight approx.	4,8 kg

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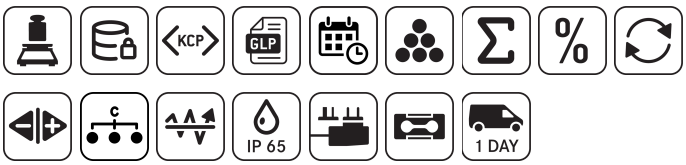
Shipping weight	5 kg
Shipping volume weight	5 kg

Product information

GTIN/EAN number	4045761498242
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



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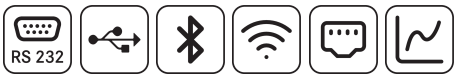
FACTORY