KERN **FPB 30K-2M**

Robust bench scale with IP68/IP69K protection and checkweighing display, with optional verification

Category

Brand	KERN
Product category	Industrial scale
Product group	Bench scale
Product family	FPB

Measuring System

Weighing system	Strain gauge
Number of weighing ranges	1
Weighing capacity [Max]	30 kg
Readability [d]	0,01 kg
Reproducibility	0,01 kg
Linearity	± 0,03 kg
Minimum weight [Min] (verifiable)	0,2 kg
Resolution	3.000
Tare range	30 kg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	30 kg (M1)
Possible calibration points	30 kg
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 g PCS
Units (if device is conformity assessed)	kg g
Load cell connection	4-wire
Default unit	kg
Loadcell type	Tscale BX6

Display

Display type	LCD
Display backlight	✓
Display screen size	100×35 mm
Display segments	7
Display digit height	25 mm
Languages of the user interface	English

Construction

Dimension housing (W×D×H)	288×233×102 mm
Dimensions completely mounted (W×D×H)	288×233×102 mm
Dimensions weighing surface (W×D)	190×230 mm
Dimensions weighing surface	190×230 mm
Dimensions weighing platform (W×D×H)	230×190×20 mm
Material housing	stainless steel, plastic
Material weighing plate	stainless steel
Material load cell(s)	aluminium
Levelling feet adjustable	✓

Functions

Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Counting function	✓
Counting resolution (laboratory conditions)	3.000
Smallest piece weight when piece counting - laboratory conditions	10 g
Smallest piece weight when piece counting - normal conditions	100 g
Reference quantity	10, 20, 50, 100, 200
IP protection - complete device	IP68 IP69K
Auto-off interval(s) in battery mode/rechargeable battery mode	selectable
Auto-off interval(s) in mains power mode	selectable
Tare function	manual (multi)
Number of keys for operation	4

Power Supply

Supplied power supply	Accu & Power supply
Power supply type	USB including power supply

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Plug-in power supply / adapter for countries - included with the delivery	EURO
Plug-in power supply / adapter for countries - optional	EURO
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Power supply cable removable	removable
Input voltage device / power [Max]	5 V, 1 A
Power socket for mains adapter	Hollow plug inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,4 mm
Battery / accumulator type	Li-Ion
Battery capacity	4.000 mAh
Battery voltage	3,7 V
Battery – Number of cells	2
Battery – Individual weight	154 g
Battery – Total weight	308 g
Battery – Construction	Inseparable connection of cells (pack)
Battery capacity (Wh)	14,8 Wh
Battery – Tests passed UN 38.3	✓
Rechargeable battery operating time - backlight on	400 h
Rechargeable battery operating time - backlight off	500 h
Rechargeable battery charging time	4 h
Battery/Accu connected	not connected, enclosed

Environmental conditions

Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Humity of environment [Min]	5 %
Humity of environment [Max]	85 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Approval

CE mark	✓
Conformity assessment possible ex works	✓
Accuracy classe	III
Verification scale interval [e]	0,01 kg

Services (optional)

Article number for adjustment at the location of installation	961-248
Article number for conformity assessment	965-228
Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

Packing & Shipping

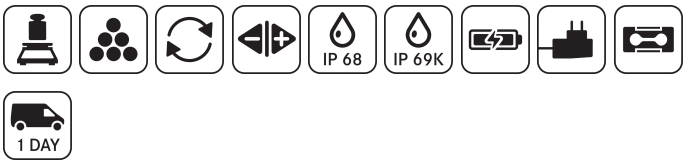
Delivery time	1 d
Dimensions packaging (W×D×H)	340×295×165 mm
Shipping method	Parcel service
Net weight approx.	2,2 kg
Gross weight approx.	3,4 kg
Shipping weight	3,3 kg
Shipping volume weight	3,3 kg

Product information

GTIN/EAN number	4045761488557
Trade number	84238129
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

FACTORY