

KERN FPE 6K-3

Entry-level bench scale with stainless steel weighing plate and checkweighing function



Maximum creep (15 minutes)	2 g
Maximum creep (30 minutes)	4 g
Default unit	g
Loadcell type	aluminium IP65 silicone-coated

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
Level indicator	✓
Levelling feet adjustable	✓

Functions	
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Capacity - Display	✓
Counting function	✓
Counting resolution (laboratory conditions)	12.000
Smallest piece weight when piece counting - laboratory conditions	500 mg
Smallest piece weight when piece counting - normal conditions	5 g
Reference quantity	10, 20, 50, 100, 200
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

Category	
Brand	KERN
Product category	Industrial scale
Product group	Bench scale
Product family	FPE

Measuring System	
Weighing system	Strain gauge
Number of weighing ranges	1
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	3 kg (M1)
Possible calibration points	3 kg
Stabilization time	2 s
Warm-up time	30 min
Eccentric loading at 1/3 [Max]	2,5 g
Load cell connection	4-wire
Units (if device is conformity assessed)	kg g
Construction type of the scale	Single-range balance

Units	kg
	g
	lb
	oz
	PCS
	tj
	lb:oz

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Power Supply

Supplied power supply	Power supply unit
Power supply type	USB including power supply
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 - Number of cells	2
Rechargeable battery operating time - backlight on	400 h
Rechargeable battery operating time - backlight off	500 h
Rechargeable battery charging time	4 h

Environmental conditions

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

Approval

CE mark	✓
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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)	340×295×165 mm

Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	2,8 kg
Shipping weight	3,3 kg

Product information

GTIN/EAN number	4045761488588
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

