

KERN CPE 6K-3

KERN

Compact bench scale for rapid, simple counting, checkweighing applications and much more, counting resolution of 30,000 points



Date of creation: 22.06.2026

Category

Brand	KERN
Product category	Industrial scale
Product group	Counting scale
Product family	CPE

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	6000 g
Readability [d]	0,2 g
Reproducibility	0,2 g
Linearity	± 0,6 g
Resolution	30.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	5 kg (F2); 1 kg (F2)
Possible calibration points	2 kg; 4 kg; 6 kg
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	1 g
Construction type of the scale	Single-range balance
Units	g PCS
Maximum creep (15 minutes)	800 mg
Maximum creep (30 minutes)	1,6 g
Default unit	kg

Display

Display type	LCD
Display backlight	LED white
Display digit height	20 mm

Construction

Dimension housing (W×D×H)	315×340×110 mm
Dimensions weighing surface (W×D)	230×300 mm
Dimensions weighing surface	230×300 mm
Material housing	plastic
Material weighing plate	stainless steel
Level indicator	✓
Levelling feet adjustable	✓

Functions

Sum memory function	✓
Recipe/summing level	Sum A
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Counting function	✓
Counting resolution (laboratory conditions)	30.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	200 mg
Smallest piece weight when piece counting - normal conditions	2 g
Reference quantity	n (any number of pieces)
Tare function	manual (multi)
Number of keys for operation	20

Interface

Interfaces	RS-232 standard
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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
Plug-in power supply / adapter for countries - optional	EURO UK
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
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 10,8 mm
Battery / accumulator type	Li-Ion

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Battery capacity	4.000 mAh
Battery voltage	3,7 V
Battery – Individual weight	93 g
Battery capacity (Wh)	14,8 Wh
Battery – Tests passed UN 38.3	✓
Rechargeable battery operating time - backlight on	30 h
Rechargeable battery operating time - backlight off	50 h
Battery/Accu connected	fixed electrical connection, no leakage current (insulated)

Environmental conditions

Ambient temperature [Min]	0 °C
Ambient temperature [Max]	40 °C
Humidity of environment [Min]	15 %
Humidity of environment [Max]	85 %

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)	415×375×185 mm
Shipping method	Parcel service
Net weight approx.	3,2 kg
Gross weight approx.	4,0 kg
Shipping weight	5,8 kg
Shipping volume weight	5,8 kg

Product information

GTIN/EAN number	4045761252615
Trade number	84238129
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

