KERN **PCB 6000-1**

The standard in the laboratory, ideal for a wide range of applications for Industry 4.0



Date of creation: 24.10.2026

Category	
Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	PCB

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	6000 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,3 g
Resolution	60.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	5 kg (F2); 1 kg (F2)
Possible calibration points	1,5 kg; 3 kg; 6 kg
Stabilization time	3 s
Eccentric loading at 1/3 [Max]	0,4 g
Construction type of the scale	Single-range balance
Units	kg g gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa m PCS %
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
Default unit	g
Warm-up time	120 min

Display	
Display type	LCD
Display backlight	✓
Display screen size	89×30 mm
Display digit height	21 mm
Languages of the user interface	English Symbol language

Construction	
Dimension housing (W×D×H)	163×245×65 mm
Dimensions weighing surface (W×D)	150×170 mm
Dimensions weighing surface	150×170 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	stainless steel
Material display housing	plastic
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	0,4 Nm

Functions	
Hold function	✓
IP protection - display	no IP protection
PreTare function	✓
Percentage determination	✓
Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Counting function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min

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	60 min 30 sec
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Underfloor weighing	Hook (included in delivery)
Counting resolution (laboratory conditions)	30.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	200 mg
Reference quantity	5, 10, 20, 50, free, Input
Number of keys for operation	5
Smallest piece weight when piece counting - normal conditions	2 g
Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 (optional) Bluetooth (optional) Ethernet (optional) USB-Device (optional) KUP WiFi (optional)
compatible with EasyTouch	✓

Power Supply

Supplied power supply	Power supply & battery function (battery not included)
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]	5,9V, 1A
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm
Battery / accumulator type	Li-Ion
Battery	4×1.5 V AA
Battery connection	Battery insert
Battery operating time	20 h
Rechargeable battery operating time - backlight on	24 h
Rechargeable battery operating time - backlight off	48 h
Rechargeable battery charging time	8 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 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Services (optional)

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)	235×365×175 mm
Shipping method	Parcel service
Net weight approx.	1,6 kg
Gross weight approx.	2,4 kg
Shipping weight	3 kg
Shipping volume weight	3 kg

Product information

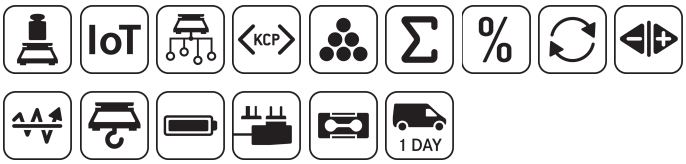
GTIN/EAN number	4045761243163
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

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Pictograms

STANDARD



OPTION

