

KERN PCB 6000-1

KERN

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



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
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,3 g
Resolution	60.000

Adjustment options	Adjusting with external weight
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Recommended adjusting weight	5 kg (F2); 1 kg (F2)
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Possible calibration points	1,5 kg; 3 kg; 6 kg
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Stabilization time	3 s
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Warm-up time	120 min
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Eccentric loading at 1/3 [Max]	0,4 g
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USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
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Construction type of the scale	Single-range balance
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Units	kg
	g
	t
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)
	ct
	mo

lb
oz
ffa
m
PCS
%

Maximum creep (15 minutes)	1 g
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Maximum creep (30 minutes)	2 g
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Default unit	g
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Display

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

Construction

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

PreTare function	✓
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Sum memory function	✓
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Percentage determination	✓
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Tolerance weighing	✓
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Tolerance weighing - type of signal	acoustically visual
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Underfloor weighing	Hook (included in delivery)
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Function for averaging under unstable weighing conditions	✓
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Counting function	✓
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Counting resolution (laboratory conditions)	30.000
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Counting reference weight can be entered	✓
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Smallest piece weight when piece counting - laboratory conditions	200 mg
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Smallest piece weight when piece counting - normal conditions	2 g
Reference quantity	5, 10, 20, 50, free, Input
Hold function	✓
IP protection - display	no IP protection
	5 min
	2 min
Auto-off interval(s) in battery mode/rechargeable battery mode	1 min
	30 min
	60 min
	30 sec
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	5

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 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
Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓
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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

Product information

GTIN/EAN number	4045761243163
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

