KERN **PCB 2000-1**

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

KERN

tl (Singap, Malays)
ct
mo
lb
oz
ffa
m
PCS
%

Category

Brand	KERN
Product categoriy	Laboratory balance
Product group	Precision balance
Product family	PCB

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	2000 g
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,2 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Resolution	20.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	2 kg (M1)
Possible calibration points	500 g; 1 kg; 2 kg
Stabilization time	3 s
Warm-up time	30 min
Eccentric loading at 1/3 [Max]	0,3 g
Maximum creep (15 minutes)	400 mg
Maximum creep (30 minutes)	800 mg
Default unit	g
Units	kg g gn dwt tl (Tw) tl (HK) ozt

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)	130×130 mm
Dimensions weighing surface	130×130 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Material display housing	Plastics
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	0,4 Nm

Functions

PreTare function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	Hook (included in delivery)
Function for averaging under unstable weighing conditions	✓
Counting function	✓
Counting resolution (laboratory conditions)	10.000
Counting reference weight can be entered	✓
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
IP protection - display	no IP protection
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 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)
EasyTouch (ET) - Compatibility	vollständig

Power Supply

Supplied power supply	Power supply unit
Plug-in 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
Input voltage device / power [Max]	5,9V, 1A
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

Approval

CE mark	✓

Services (optional)

Article number for adjustment at the location of installation	961-247
Article number for DAkkS calibration	963-127
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.	1,4 kg
Gross weight approx.	2,0 kg
Shipping weight	3 kg

Pictograms

STANDARD

CAL EXT | KUP | KCP PROTOCOL | GLP PRINTER | PCS | RECIPE | PERCENT | UNIT | TOL

MOVE | UNDER | BATT | MULTI | DMS | 1 DAY

OPTION

ET | RS 232 | USB | BT | WIFI | LAN | ACCU | DAkkS +3 DAYS