KERN **PCB 200-3**

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

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]	200 g
Readability [d]	0,001 g
Reproducibility	0,001 g
Linearity	± 0,005 g
USP Minimum weight of sample (k = 2, U = 0.1%)	2 g
Resolution	200.000
Tare range	200 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (F1)
Possible calibration points	50 g; 100 g; 200 g
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,006 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g
Units	kg g gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa m PCS %

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 completely mounted (W×D×H)	163×245×123 mm
Dimensions ring-shaped draught shield - inner (Ø×H)	90×40 mm
Dimensions weighing surface (Ø)	82 mm
Dimensions weighing surface	82 mm
Material housing	plastic
Material weighing plate	plastic, with conductive lacquer
Material platform	Plastics
Material draught shield	plastic
Material display housing	Plastics
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	0,4 Nm

Functions

PreTare function	✓
Sum memory 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	✓

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Counting function	✓
Counting resolution (laboratory conditions)	100.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	2 mg
Smallest piece weight when piece counting - normal conditions	20 mg
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 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.	1,00 kg
Gross weight approx.	1,6 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