KERN **PCB 6000-1-2023e**

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

KERN

Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,4 g
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g

Approval

CE mark	✓

Display

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

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]	6000 g
Readability [d]	0,1 g
Resolution	60.000
Linearity	± 0,3 g
Reproducibility	0,1 g
Default unit	g
Units	kg g gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa m
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

Construction

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

Functions

Number of keys for operation	5
Auto-off interval(s) in mains power mode	off
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min 60 min 30 sec
PreTare function	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Rez A (Net total)

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Underfloor weighing	Hook (included in delivery)
Interfaces	RS-232 (optional) Bluetooth (optional) Ethernet (optional) USB-Device (optional) KUP WiFi (optional)
IP protection - display	no IP protection

Counting

Smallest piece weight when piece counting - laboratory conditions	200 mg
Smallest piece weight when piece counting - normal conditions	2 g
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, free, Input
Counting resolution (laboratory conditions)	30.000

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	5,9V, 1A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit
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
Rechargeable battery optional	Rchrg. battery optional - intern
Rechargeable battery charging time	8 h
Rechargeable battery operating time - backlight on	24 h
Rechargeable battery operating time - backlight off	48 h
Battery	4×1.5 V AA
Battery / accumulator type	Li-Ion
Battery connection	Battery insert
Battery operating time	20 h

Environmental conditions

Humity of environment [Max]	80 %
Ambient temperature [Min]	-10 °C
Ambient temperature [Max]	40 °C
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	235×365×175 mm
Net weight	1,5 kg
Shipping method	Parcel service
Net weight approx.	1,6 kg
Gross weight approx.	2,4 kg
Shipping weight	3 kg

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 (verification)	969-517

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 | WLAN | LAN | ACCU | DAkkS +3 DAYS