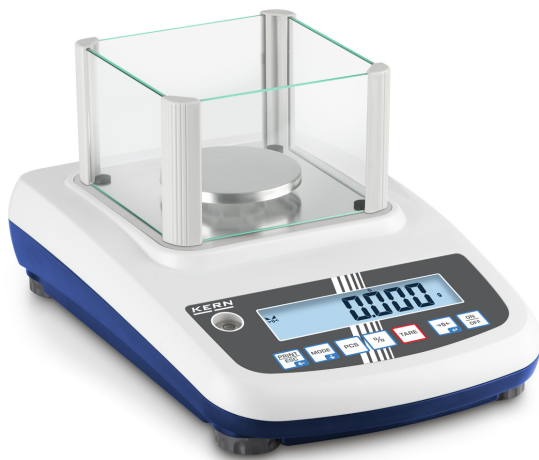# KERN **PFB 200-3**

Quick-display precision balance with user-friendly concept of operation mode - now also with checkweighing function

Possible calibration points	50 g; 100 g; 200 g
Stabilization time	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,004 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg

Zulassung

CE mark	✓

Display

Display type	LCD
Display screen size	129 x 27
Display backlight	✓
Display digit height	21 mm
Languages of the user interface	Symbol language

Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Strain gauge
Weighing capacity [Max]	200 g
Readability [d]	0,001 g
Resolution	200.000
Linearity	± 0,004 g
Reproducibility	0,002 g
Default unit	g
Units	g gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa tol m
USP Minimum weight of sample (k = 2, U = 0.1%)	4 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (F1)

Construction

Dimension housing (W×D×H)	210×315×90 mm
Dimensions rectangular draught shield - inner (W×D×H)	140×150×65 mm
Dimensions rectangular draught shield - outer (W×D×H)	147×163×80 mm
Dimensions completely mounted (W×D×H)	210×315×160 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Material draught shield	glass
Dimensions weighing surface (Ø)	80 mm
Transport safety lock - bolt torque	0,1 Nm
Material load cell(s)	aluminium
Levelling feet adjustable	✓
Level indicator	✓

Functions

Number of keys for operation	7
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min 60 min 30 sec
Capacity - Display	✓
PreTare function	✓
Tare function	manual (multi)
Hold function	✓
Percentage determination	✓

KERN **PFB 200-3**

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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)
Interfaces	RS-232 standard Bluetooth BTC (v2.0) (optional, factory) Bluetooth BLE (v4.0) (optional, factory)
IP protection - display	no IP protection
IP protection - load cell	IP65

Counting

Smallest piece weight when piece counting - laboratory conditions	2 mg
Smallest piece weight when piece counting - normal conditions	20 mg
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, free, Input
Counting resolution (laboratory conditions)	100.000

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	12 V, 500 mA
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 AUS UK US CH
Rechargeable battery optional	Rchrg. battery optional (factory)
Rechargeable battery charging time	6,5 h
Rechargeable battery operating time - backlight on	36 h
Rechargeable battery operating time - backlight off	72 h
Battery / accumulator type	Li-Ion

Battery connection	2-pole tub connector

Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	30 °C
Humity of environment [Min]	0 %
Humity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	380×280×280 mm
Net weight	1,195 kg
Shipping method	Parcel service
Net weight approx.	1,2 kg
Gross weight approx.	2,6 kg
Shipping weight	6 kg

Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD

CAL EXT | RS 232 | KCP PROTOCOL | GLP PRINTER | PCS | RECIPE A | PERCENT % | UNIT | MOVE

TOL | MULTI B | DMS | 1 DAY

OPTION

DAkkS +3 DAYS

FACTORY

BT | ACCU