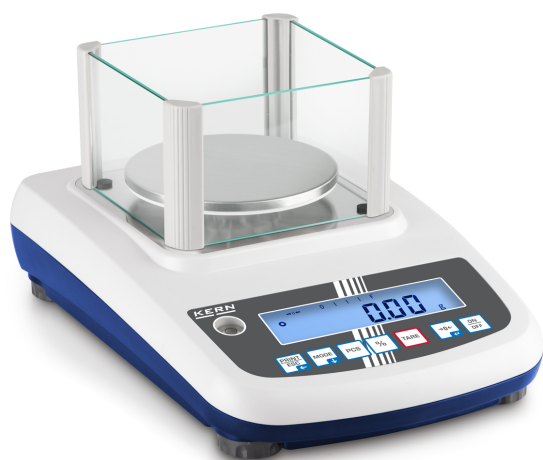# KERN **PFB 2000-2**

Quick-display precision balance with user-friendly concept of operation mode –
now with larger housing for more stability

KERN

Recommended adjusting weight	2 kg (F1)
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,05 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Loadcell type	aluminium IP65 silicone-coated

Approval

CE mark	✓

Display

Display type	LCD
Display backlight	✓
Display digit height	15 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	210×315×90 mm
Dimensions rectangular draught shield - inner (W×D×H)	132×1125×65 mm
Dimensions rectangular draught shield - outer (W×D×H)	140×135×80 mm
Dimensions completely mounted (W×D×H)	210×315×160 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	glass
Dimensions weighing surface (Ø)	120 mm
Transport safety lock - bolt torque	0,1 Nm
Material load cell(s)	aluminium
Levelling feet adjustable	✓

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]	2000 g
Weighing capacity [Max] (ct)	10000 ct
Readability [d]	0,01 g
Readability carat [d] (ct)	0,05 ct
Resolution	200.000
Linearity	± 0,05 g
Reproducibility	0,02 g
Default unit	g
Units	g t gn dwt tl (Tw) tl (HK) ozt ct lb N oz tl (Cn) D mom bt
Adjustment options	Adjusting with external weight

Functions

Number of keys for operation	7
Auto-off interval(s) in battery mode/rechargeable battery mode	3 min
Capacity display	✓
Tare function	manual (single & multi)
Percentage determination	✓
Counting function	✓
Recipe/summing level	Rez A (Net total)
Interfaces	RS-232 standard Bluetooth BTC (v2.0) (optional, factory)

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	Bluetooth BLE (v4.0) (optional, factory)
IP protection - load cell	IP65

Counting

Smallest piece weight when piece counting - laboratory conditions	20 mg
Smallest piece weight when piece counting - normal conditions	200 mg
Reference quantity	10, 20, 50, 100, 200
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 UK US CH

Environmental conditions

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

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	375×280×275 mm
Net weight	1,51 kg
Shipping method	Parcel service
Net weight approx.	1,6 kg
Gross weight approx.	2,4 kg
Shipping weight	5,8 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 % | MULTI C | DMS

1 DAY

OPTION

DAkkS +3 DAYS

FACTORY

BT 2.0 | BT 4.0