

KERN PFB 6000-2

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



Possible calibration points	2 kg; 4 kg; 6 kg
Stabilization time	6 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,04 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 screen size	129 x 27
Display backlight	✓
Display digit height	21 mm
Languages of the user interface	Symbol language

Construction	
Dimension housing (W×D×H)	210×315×90 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Dimensions weighing surface (W×D)	190×180 mm
Transport safety lock - bolt torque	0,1 Nm
Material load cell(s)	aluminium
Levelling feet adjustable	✓

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 (single & multi)
Hold function	✓
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual

Category	
Brand	KERN
Product category	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]	6000 g
Readability [d]	0,01 g
Resolution	600.000
Linearity	± 0,05 g
Reproducibility	0,05 g
Default unit	g

Units	g gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa tol m
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USP Minimum weight of sample (k = 2, U = 0.1%)	100 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (E2)

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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	20 mg
Smallest piece weight when piece counting - normal conditions	200 mg
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, free, Input
Counting resolution (laboratory conditions)	300.000

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
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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	
Humidity of environment [Min]	0 %

Humidity 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)	370×270×240 mm
Net weight	1,79 kg
Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	2,8 kg
Shipping weight	4,8 kg

Services (optional)	
Article number for DAkkS calibration	963-104
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION



FACTORY

