

# KERN PFB 6000-1

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	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,2 g
Maximum creep (15 minutes)	1 g
Maximum creep (30 minutes)	2 g
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]	0,1 g
Resolution	60.000
Linearity	± 0,2 g
Reproducibility	0,1 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%)	200 g
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (F1)

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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	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, 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	
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)	370×275×245 mm
Net weight	1,873 kg
Shipping method	Parcel service
Net weight approx.	2,0 kg
Gross weight approx.	2,8 kg
Shipping weight	5 kg

Services (optional)	
Article number for DAkkS calibration	963-128
Article number for certificate of conformity (verification)	969-517

## Pictograms

### STANDARD



### OPTION



### FACTORY

