

# KERN PFB 6000-1

**KERN**

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



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
Reproducibility	0,1 g
Linearity	± 0,2 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Resolution	60.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (F1)
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
Default unit	g

Units	g
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)

ct  
mo  
lb  
oz  
ffa  
tol  
m

Loadcell type	aluminium IP65 silicone-coated
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Display	
Display type	LCD
Display backlight	✓
Display screen size	129 x 27
Display digit height	21 mm
Languages of the user interface	Symbol language

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

Functions	
PreTare function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Capacity - Display	✓
Counting function	✓
Counting resolution (laboratory conditions)	30.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	200 mg
Smallest piece weight when piece counting - normal conditions	2 g

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Reference quantity	5, 10, 20, 50, free, Input
Hold function	✓
IP protection - display	no IP protection
IP protection - load cell	IP65
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min
	2 min
	1 min
	30 min
	60 min
	30 sec
Tare function	manual (multi)
Number of keys for operation	7

## Interface

Interfaces	RS-232 standard Bluetooth BTC (v2.0) (optional, factory) Bluetooth BLE (v4.0) (optional, factory)
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## Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter
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
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	12 V, 500 mA
Battery / accumulator type	Li-Ion
Battery connection	2-pole tub connector
Rechargeable battery operating time - backlight on	36 h
Rechargeable battery operating time - backlight off	72 h
Rechargeable battery charging time	6,5 h
Rechargeable battery optional	Rchrg. battery optional (factory)

## Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	30 °C
Humidity of environment [Min]	0 %

Humidity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

## Approval

CE mark	✓
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## Services (optional)

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

## Packing & Shipping

Delivery time	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

## Pictograms

### STANDARD



### OPTION



### FACTORY



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