

# KERN PFB 6000-2



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



Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (F1)
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,25 g
Maximum creep (15 minutes)	500 mg
Maximum creep (30 minutes)	1 g
Loadcell type	aluminium IP65 silicone-coated

Approval	
CE mark	✓

Display	
Display type	LCD
Display backlight	✓
Display digit height	18 mm
Languages of the user interface	Symbol language

Construction	
Dimension housing (W×D×H)	210×315×90 mm
Dimensions weighing platform (W×D×H)	190×180×95 mm
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Dimensions weighing surface (W×D)	190×180 mm
Transport safety lock - bolt torque	0,1 Nm
Material load cell(s)	aluminium

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

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
Weighing capacity [Max] (ct)	30000 ct
Readability [d]	0,05 g
Readability carat [d] (ct)	0,5 ct
Resolution	120.000
Linearity	± 0,15 g
Reproducibility	0,05 g
Tare range	6000 g
Default unit	g

	g
	t
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
Units	ct
	lb
	N
	oz
	tl (Cn)
	D
	mom
	bt

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## Counting

Smallest piece weight when piece counting - laboratory conditions	200 mg
Smallest piece weight when piece counting - normal conditions	2 g
Reference quantity	10, 20, 50, 100, 200
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
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

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)	375×280×275 mm
Net weight	1,872 kg
Shipping method	Parcel service
Net weight approx.	2,0 kg
Gross weight approx.	2,8 kg
Shipping weight	5,8 kg

## Services (optional)

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

## Pictograms

### STANDARD



### OPTION



### FACTORY

