

KERN PFB 6000-1



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]	0,5 g
Maximum creep (30 minutes)	2 g
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 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]	0,1 g
Readability carat [d] (ct)	0,5 ct
Resolution	60.000
Linearity	± 0,3 g
Reproducibility	0,1 g
Tare range	6000 g
Default unit	g

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

Units

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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	1,88 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 adjustment at the location of installation	961-248
Article number for DAkkS calibration	963-128
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION



FACTORY

