

KERN PFB 6000-2

KERN

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



Date of creation: 03.10.2026

Category	
Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	PFB
Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	6000 g
USP Minimum weight of sample (k = 2, U = 0.1%)	100 g
Readability [d]	0,01 g
Reproducibility	0,05 g
Linearity	± 0,07 g
Resolution	600.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	6 kg (E2)
Possible calibration points	2 kg; 4 kg; 6 kg
Stabilization time	6 s
Eccentric loading at 1/3 [Max]	0,12 g
Construction type of the scale	Single-range balance
Units	kg
	g
	t
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)

ct
mo
lb
oz
ffa
m

Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Default unit	g
Loadcell type	aluminium IP65 silicone-coated
Warm-up time	4 h

Display	
Display type	LCD
Display backlight	✓
Display screen size	129×27
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	
Hold function	✓
IP protection - display	no IP protection
IP protection - load cell	IP65
PreTare function	✓
Percentage determination	✓
Statistic function	✓
Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
Tolerance weighing	✓
Counting function	✓
Capacity - Display	✓

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	5 min
	2 min
Auto-off interval(s) in battery mode/rechargeable battery mode	1 min
	30 min
	60 min
	30 sec
Tare function	manual (multi)
Counting resolution (laboratory conditions)	300.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	20 mg
Reference quantity	5, 10, 20, 50, free, Input
Recipe/summing level	Rez A (Net total)
Number of keys for operation	7
Smallest piece weight when piece counting - normal conditions	200 mg
Tolerance weighing - type of signal	acoustically visual

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
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
Power supply cable removable	removable
Input voltage device / power [Max]	12 V, 500 mA
Power socket for mains adapter	Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm
Battery / accumulator type	Li-Metal

Battery connection	2-pole tub connector
Battery capacity	220 mAh
Battery voltage	3 V
Battery - Number of cells	1
Battery - Individual weight	2,9 g
Battery - Total weight	2,9 g
Battery capacity (Wh)	0,66 Wh
Battery - Lithium content	64 mg
Battery - Tests passed UN 38.3	✓
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

Services (optional)

Article number for DAkkS calibration	963-104
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	370×270×240 mm
Shipping method	Parcel service
Net weight approx.	1,8 kg
Gross weight approx.	2,8 kg
Shipping weight	4,8 kg
Shipping volume weight	4,8 kg

Product information

GTIN/EAN number	4045761476349
Trade number	90160010
Warranty Time	24 mon
REACH classification	no prohibited substances

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Pictograms

STANDARD



OPTION



FACTORY

