

KERN EWJ 6000-1M

KERN

High-quality precision balance with automatic internal adjustment, verification optional



Category

Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	EWJ

Measuring System

Weighing system	Strain gauge
Weighing capacity [Max]	6000 g
Automatic adjustment - Standard time interval	2 h
Readability [d]	0,1 g
Reproducibility	0,1 g
Linearity	± 0,3 g
Minimum weight [Min]	5 g
Conformity assessment possible	✓
Resolution	60.000
Tare range	5999,9 g
Adjustment options	Internal calibration (automatic)
Stabilization time	2 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,3 g
Units (if device is conformity assessed)	g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 g
Construction type of the scale	Single-range balance
Units	g
Default unit	g
Loadcell type	aluminium IP65 silicone-coated

Display

Display type	LCD
Display backlight	✓
Display screen size	129×27
Display digit height	21 mm
Languages of the user interface	English Symbol language

Construction

Dimension housing (W×D×H)	220×340×105 mm
Dimensions weighing surface (W×D)	155×145 mm
Dimensions weighing surface	155×145 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	✓
Sum memory 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)	60.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Smallest piece weight when piece counting - normal conditions	1 g
Reference quantity	5, 10, 20, 50, free, Input
Hold function	✓
IP protection - display	no IP protection
IP protection - load cell	IP65
Statistic function	✓
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min

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	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) USB-Device
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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
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	Pb
Battery connection	2-pole tub connector
Rechargeable battery operating time - backlight on	32 h
Rechargeable battery operating time - backlight off	57 h
Rechargeable battery charging time	6,5 h
Rechargeable battery optional	Rchrg. battery optional - intern

Environmental conditions

Ambient temperature [Min]	10 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Max]	80 %

Approval

CE mark	✓
Conformity assessment possible ex works	✓
Accuracy classe	II
Verification scale interval [e]	1 g

Services (optional)

Article number for conformity assessment	965-217
Article number for DAkKS calibration	963-128
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	410×295×275 mm
Shipping method	Parcel service
Net weight approx.	3,4 kg
Gross weight approx.	4,6 kg
Shipping weight	6,7 kg

Product information

GTIN/EAN number	4045761475441
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION



FACTORY

