KERN **EWJ 6000-1M**

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



Date of creation: 24.10.2026

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

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	
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	✓
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)
Counting resolution (laboratory conditions)	60.000

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Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 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	1 g
Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 standard Bluetooth BTC (v2.0) (optional, factory) Bluetooth BLE (v4.0) (optional, factory) USB-Device

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 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	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
Humity of environment [Max]	80 %

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
Shipping volume weight	6,7 kg

Product information

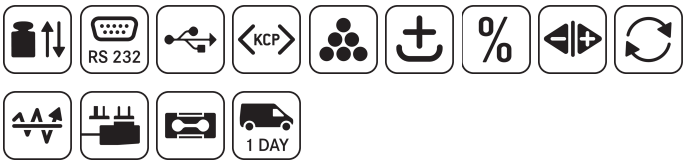
GTIN/EAN number	4045761475441
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

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Pictograms

STANDARD



OPTION



FACTORY

