

# KERN EWJ 6000-1SM

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

Display	
Display type	LCD
Display backlight	✓
Display screen size	129 x 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	✓
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
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min

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	60 min 30 sec
Tare function	manual (multi)
Number of keys for operation	7

## Interface

Interfaces	Bluetooth BTC (v2.0) (optional, factory) Bluetooth BLE (v4.0) (optional, factory)
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## Power Supply

Supplied power supply	Power supply unit
Plug-in 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
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Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
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Input voltage device / power [Max]	12 V, 500 mA
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Battery / accumulator type	Pb
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Battery connection	2-pole tub connector
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Rechargeable battery operating time - backlight on	32 h
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Rechargeable battery operating time - backlight off	57 h
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Rechargeable battery charging time	6,5 h
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Rechargeable battery optional	Rchrg. battery optional - intern
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## 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)

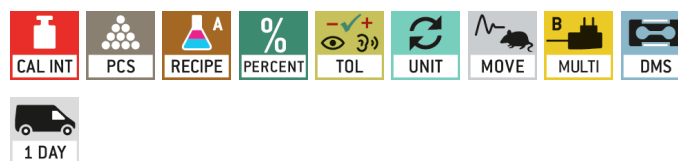
Article number for conformity assessment	965-217
Article number for DAkkS calibration	963-128
Article number for certificate of conformity	969-517

## 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

## Pictograms

### STANDARD



### OPTION



### FACTORY

