

KERN EWJ 6000-2

High-quality precision balance with automatic internal adjustment



Possible calibration points	2 kg; 4 kg; 6 kg
Automatic adjustment - Standard time interval	2 h
Stabilization time	6 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,04 g
Maximum creep (15 minutes)	100 mg
Maximum creep (30 minutes)	200 mg
Loadcell type	aluminium IP65 silicone-coated

Approval	
CE mark	✓

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

Construction	
Dimension housing (W×D×H)	220×340×105 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	Stainless steel
Dimensions weighing surface (W×D)	155×145 mm
Transport safety lock - bolt torque	0,1 Nm
Material load cell(s)	aluminium
Levelling feet adjustable	✓

Functions	
Number of keys for operation	7
Auto-off interval(s) in battery mode/rechargeable battery mode	5 min 2 min 1 min 30 min 60 min 30 sec
Capacity - Display	✓
PreTare function	✓
Tare function	manual (multi)
Hold function	✓
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓

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]	0,01 g
Resolution	600.000
Linearity	± 0,05 g
Reproducibility	0,03 g
Default unit	g

Units	g gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa tol m
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USP Minimum weight of sample (k = 2, U = 0.1%)	60 g
Adjustment options	Internal calibration (automatic)
Recommended adjusting weight	6 kg (E2)

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Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
Recipe/summing level	Rez A (Net total)
Interfaces	RS-232 standard Bluetooth BTC (v2.0) (optional, factory) Bluetooth BLE (v4.0) (optional, factory) USB-Device
IP protection - display	no IP protection
IP protection - load cell	IP65

Counting	
Smallest piece weight when piece counting - laboratory conditions	10 mg
Smallest piece weight when piece counting - normal conditions	100 mg
Counting reference weight can be entered	✓
Reference quantity	5, 10, 20, 50, free, Input
Counting resolution (laboratory conditions)	600.000

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

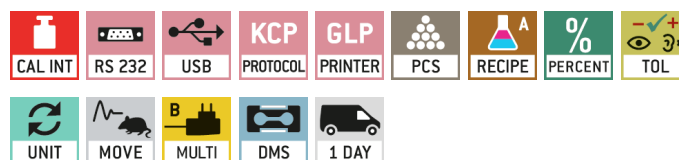
Environmental conditions	
Humidity of environment [Max]	80 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	35 °C

Packing & Shipping	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	420×300×280 mm
Net weight	3,15 kg
Shipping method	Parcel service
Net weight approx.	3,2 kg
Gross weight approx.	4,6 kg
Shipping weight	7,1 kg

Services (optional)	
Article number for DAkkS calibration	963-104
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION



FACTORY

