

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)
Recommended adjusting weight	6 kg (F1)
Automatic adjustment - Standard time interval	2 h
Stabilization time	3 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	LED white
Display digit height	16,5 mm

Construction

Dimension housing (W×D×H)	215×340×105 mm
Dimensions weighing surface (W×D)	155×145 mm
Dimensions weighing surface	155×145 mm
Material housing	plastic
Material weighing plate	stainless steel
Material load cell(s)	aluminium
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	0,1 Nm

Functions

Recipe/summing level	Rez A (Net total)
Percentage determination	✓
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	10, 20, 50, 100, 200
IP protection - display	no IP protection
IP protection - load cell	IP65
Tare function	manual (multi)
Number of keys for operation	7

Interface

EasyTouch (ET) - Connection type	RS232 / USB
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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

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Pictograms

STANDARD



OPTION



FACTORY



	UK US CH
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	12 V DC, 2500 mA
Battery / accumulator type	Pb
Battery connection	Plug-in terminals
Rechargeable battery	PFB-A06
Rechargeable battery operating time - backlight on	10 h
Rechargeable battery operating time - backlight off	20 h
Rechargeable battery charging time	12 h
Rechargeable battery optional	Rchrg. battery optional - intern

Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	30 °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 (verification)	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	410×295×267 mm
Net weight	3,3 kg
Shipping method	Parcel service
Net weight approx.	3,4 kg
Gross weight approx.	4,6 kg
Shipping weight	6,5 kg