KERN **EWJ 6000-1SM-2024a**

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



Date of creation: 23.10.2026

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)
Recommended adjusting weight	6 kg (F2)
Stabilization time	3 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	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

IP protection - display	no IP protection
IP protection - load cell	IP65
Percentage determination	✓
Counting function	✓
Capacity - Display	✓
Tare function	manual (multi)
Counting resolution (laboratory conditions)	60.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	100 mg
Reference quantity	10, 20, 50, 100, 200
Recipe/summing level	Rez A (Net total)
Number of keys for operation	7
Smallest piece weight when piece counting - normal conditions	1 g

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

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	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 DC, 2500 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	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
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)	410×295×267 mm
Shipping method	Parcel service
Net weight approx.	3,4 kg
Gross weight approx.	4,6 kg
Shipping weight	6,5 kg
Shipping volume weight	6,5 kg

Product information

GTIN/EAN number	4045761195004
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION



FACTORY

