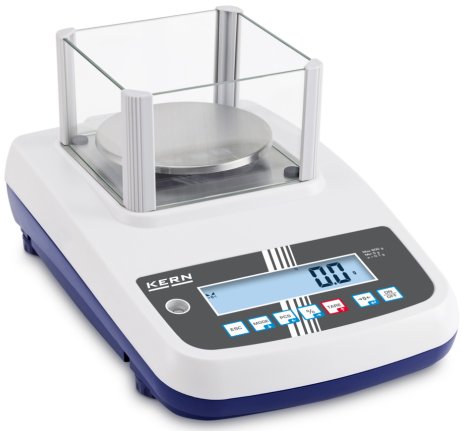
KERN **EWJ 600-1M**

Precision scales with customer display – ideal for jewellers and the gold trade, for applications which require verification from 5 g, with optional verification



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]	600 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	6.000
Tare range	599,9 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	30 min

Display	
Display type	LCD
Display backlight	✓
Display screen size	129×27
Display segments	7
Display digit height	21 mm
Languages of the user interface	English Symbol language

Construction	
Dimension housing (W×D×H)	220×340×90 mm
Dimensions completely mounted (W×D×H)	220×340×180 mm
Dimensions rectangular draught shield - inner (W×D×H)	134×128×80 mm
Dimensions rectangular draught shield - outer (W×D×H)	144×139×81 mm
Dimensions weighing surface (Ø)	120 mm
Dimensions weighing surface	120 mm
Material housing	plastic
Material weighing plate	stainless steel
Material platform	stainless steel
Material draught shield	plastic, glass
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	✓
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

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Tare function	manual (single & multi)
Counting resolution (laboratory conditions)	3.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	200 mg
Reference quantity	5, 10, 20, 50, free, Input
Number of keys for operation	7
Smallest piece weight when piece counting - normal conditions	2 g
Tolerance weighing - type of signal	acoustically visual

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
Power supply cable removable	removable
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 / accumulator type	Li-Ion
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]	0 °C
Ambient temperature [Max]	40 °C
Humity of environment [Max]	80 %

Services (optional)

Article number for conformity assessment	965-216
Article number for DAkkS calibration	963-127
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.	3,2 kg
Gross weight approx.	3,6 kg
Shipping weight	6,7 kg
Shipping volume weight	6,7 kg

Product information

GTIN/EAN number	4045761492837
Trade number	84238129
Warranty Time	24 mon
REACH classification	no prohibited substances

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Pictograms

STANDARD



OPTION



FACTORY

