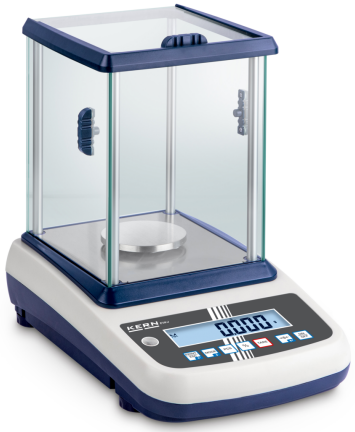
KERN **EWJ 300-3H**

High-quality precision balance with automatic internal adjustment



Date of creation: 14.11.2026

Category	
Brand	KERN
Product category	Laboratory balance
Product group	Precision balance
Product family	EWJ

Measuring System	
Weighing system	Strain gauge
Weighing capacity [Max]	300 g
USP Minimum weight of sample (k = 2, U = 0.1%)	6 g
Readability [d]	0,001 g
Automatic adjustment - Standard time interval	2 h
Reproducibility	0,003 g
Linearity	± 0,005 g
Resolution	300.000
Adjustment options	Internal calibration (automatic)
Recommended adjusting weight	300 g (F1)
Possible calibration points	100 g; 200 g; 300 g
Stabilization time	2 s
Eccentric loading at 1/3 [Max]	0,004 g
Construction type of the scale	Single-range balance
Units	kg g t gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz ffa m
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Default unit	g
Loadcell type	aluminium IP65 silicone-coated
Warm-up time	120 min

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

Construction	
Dimension housing (W×D×H)	220×340×321 mm
Dimensions completely mounted (W×D×H)	220×340×321 mm
Dimensions rectangular draught shield - inner (W×D×H)	155×175×217 mm
Dimensions rectangular draught shield - outer (W×D×H)	180×191×230 mm
Dimensions weighing surface (Ø)	80 mm
Dimensions weighing surface	80 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

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PreTare function	✓
Percentage determination	✓
Statistic function	✓
Sum memory function	✓
Function for averaging under unstable weighing conditions	✓
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
Tare function	manual (multi)
Counting resolution (laboratory conditions)	150.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	2 mg
Reference quantity	5, 10, 20, 50, free, Input
Recipe/summing level	Rez A (Net total)
Number of keys for operation	7
Smallest piece weight when piece counting - normal conditions	20 mg
Tolerance weighing - type of signal	acoustically visual

Interface

Interfaces	RS-232 standard Bluetooth BTC (v2.0) (optional, factory) Bluetooth BLE (v4.0) (optional, factory) USB-Device

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
Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
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-Metal
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]	10 °C
Ambient temperature [Max]	35 °C
Humity of environment [Max]	80 %
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓

Services (optional)

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)	400×275×410 mm
Shipping method	Parcel service
Net weight approx.	3,6 kg
Gross weight approx.	6 kg
Shipping weight	9 kg

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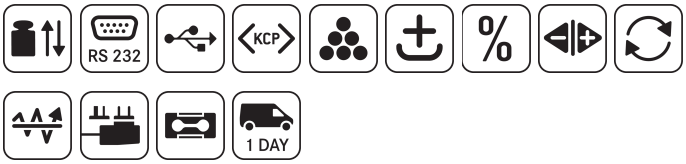
Shipping volume weight	9 kg

Product information

GTIN/EAN number	4045761475380
Trade number	90160010
Warranty Time	36 mon
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION



FACTORY

