

KERN EWJ 300-3H

KERN

High-quality precision balance with automatic internal adjustment



Recommended adjusting weight	300 g (F1)
Automatic adjustment - Standard time interval	2 h
Stabilization time	3 s
Warm-up time	120 min
Eccentric loading at 1/3 [Max]	0,005 g
Maximum creep (15 minutes)	10 mg
Maximum creep (30 minutes)	20 mg
Loadcell type	aluminium IP65 silicone-coated

Approval	
CE mark	✓

Display	
Display type	LCD
Display backlight	LED white
Display digit height	16,5 mm
Languages of the user interface	English

Construction	
Dimension housing (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 completely mounted (W×D×H)	220×340×321 mm
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	plastic, glass
Dimensions weighing surface (Ø)	80 mm
Transport safety lock - bolt torque	0,1 Nm
Material load cell(s)	aluminium
Levelling feet adjustable	✓

Functions	
Number of keys for operation	7
Capacity - Display	✓
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Recipe/summing level	Rez A (Net total)
Interfaces	RS-232 standard USB-Device
IP protection - display	no IP protection
IP protection - load cell	IP65

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]	300 g
Readability [d]	0,001 g
Resolution	300.000
Linearity	± 0,005 g
Reproducibility	0,002 g
Default unit	g

Units	g
	t
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
	ct
	lb
	N
	oz
	tl (Cn)
	D
	mom
	bt

USP Minimum weight of sample (k = 2, U = 0.1%)	4 g
Adjustment options	Internal calibration (automatic)

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Counting

Smallest piece weight when piece counting - laboratory conditions	2 mg
Smallest piece weight when piece counting - normal conditions	20 mg
Reference quantity	10, 20, 50, 100, 200
Counting resolution (laboratory conditions)	150.000

Power Supply

Input voltage power supply / power [Max]	100 V - 240 V, 50 / 60 Hz
Input voltage device / power [Max]	12 V DC, 2500 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	12 h
Rechargeable battery operating time - backlight on	10 h
Rechargeable battery operating time - backlight off	20 h
Battery / accumulator type	Pb
Battery connection	Plug-in terminals

Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	15 °C
Ambient temperature [Max]	35 °C
Storage temperature [Min]	-20 °C
Storage temperature [Max]	60 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	400×275×410 mm
Net weight	3,572 kg
Shipping method	Parcel service
Net weight approx.	3,6 kg
Gross weight approx.	6 kg

Shipping weight 9 kg

Services (optional)

Article number for DAkkS calibration	963-127
Article number for certificate of conformity (verification)	969-517

Pictograms

STANDARD



OPTION

