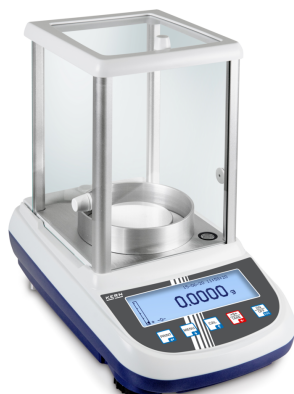


KERN ALJ 500-4A



Analytical balance with high weighing capacity, graphic display and convenient recipe function



Category	
Brand	KERN
Product category	Laboratory balance
Product group	Analytical balance
Product family	ALJ

Measuring System	
Automatic adjustment - Standard temperature deviation	1,2 °C
Weighing system	Force compensation
Weighing capacity [Max]	510 g
Automatic adjustment - Standard time interval	3 h
Readability [d]	0,0001 g
Reproducibility	0,0002 g
typical reproducibility	0,00008 g
Linearity	± 0,0004 g
Resolution	5.100.000
Adjustment options	Internal calibration (automatic)
Stabilization time	4 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,0003 g
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
typical USP Minimum weight of sample	160 mg
Construction type of the scale	Single-range balance
Units	g mg gn dwt tl (Tw)

	tl (HK) ozt tl (Singap, Malays) ct mo lb oz
Weighing capacity [Max] (ct)	2550 ct
Readability carat [d] (ct)	0,001 ct
Maximum creep (15 minutes)	1 mg
Maximum creep (30 minutes)	2 mg
Default unit	g

Display	
Display type	LCD graphic
Display backlight	✓
Display screen size	132×38 mm
Display digit height - smallest digit	4 mm
Display digit height	15 mm
Languages of the user interface	English

Construction	
Dimension housing (W×D×H)	210×340×330 mm
Dimensions completely mounted (W×D×H)	210×340×330 mm
Dimensions rectangular draught shield - inner (W×D×H)	160×170×225 mm
Dimensions rectangular draught shield - outer (W×D×H)	172×185×245 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	glass
Material display housing	plastic
Level indicator	✓
Levelling feet adjustable	✓
Transport safety lock - bolt torque	0,1 Nm

Functions	
PreTare function	✓
Recipe/summing level	Rez B (Net-total, memory with plain text designations + setpoint, also for printout)
Recipe weighing - number of database entries	99

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KERN

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Recipe weighing - number of ingredients per database entry	20
Percentage determination	✓
Dispensing function	✓
Density determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	None
Function for averaging under unstable weighing conditions	✓
Capacity - Display	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	5 10.000
Counting reference weight can be entered	✓
Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	10, 25, 50, 100, n (any number of pieces)
	off
Auto-off interval(s) in mains power mode	5 min 2 min 15 min
Tare function	manual (multi)
Number of keys for operation	6

Interface

Interfaces	RS-232 standard
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Power Supply

Supplied power supply	Power supply unit
Power supply type	Power adapter
	EURO
Plug-in power supply / adapter for countries - included with the delivery	AUS UK US CH
	EURO
Plug-in power supply / adapter for countries - optional	UK US CH

Input voltage power supply / power [Max]	country dependent
Power supply cable removable	removable
Input voltage device / power [Max]	24 V 1 A

Power socket for mains adapter

Hollow plug, inside plus,
Ø outside 5,5 mm, Ø
inside 2,1 mm, long 10,5
mm

Environmental conditions

Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Humidity of environment [Max]	80 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C

Approval

CE mark	✓
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Services (optional)

Article number for DAkkS calibration	963-101
Article number for certificate of conformity	969-517

Packing & Shipping

Delivery time	1 d
Dimensions packaging (W×D×H)	520×420×535 mm
Shipping method	Parcel service
Net weight approx.	7 kg
Gross weight approx.	9 kg
Shipping weight	23,4 kg

Product information

GTIN/EAN number	4045761242975
REACH classification	no prohibited substances

Pictograms

STANDARD



OPTION

