KERN ALJ 160-4AM



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



Category	
Brand	KERN
Product categoriy	Laboratory balance
Product group	Analytical balance
Product family	ALJ
Measuring System	
Conformity assessment possible	✓
Construction type of the scale	Single-range balance
Weighing system	Force compensation
Weighing capacity [Max]	160 g
Weighing capacity [Max] (ct)	800 ct
Readability [d]	0,0001 g
Readability carat [d] (ct)	0,001 ct
Resolution	1.600.000
Linearity	± 0,0003 g
Reproducibility	0,0001 g
Default unit	g
Units	g mg gn dwt tl (Tw) tl (HK) ozt tl (Singap, Malays) ct mo lb oz
Units (if device is conformity assessed)	g mg ct
Minimum weight [Min]	0,01 g

USP Minimum weight of sample (k = 2, U = 0.1%)	200 mg
Minimum weight [Min] (ct)	0,1 ct
Adjustment options	Internal calibration (automatic)
Automatic adjustment - Standard temperature deviation	1,2 °C
Automatic adjustment - Standard time interval	3 h
Stabilization time	4 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,0003 g
Approval	
CE mark	\checkmark
Pattern approval for conformity assessment	1
Accuracy classe	I
Verification scale interval [e]	0,001 g
Verification scale interval [e] (ct)	0,01 ct
Conformity assessment possible ex works	1
Display	
Display type	LCD graphic
Display type Display screen size	LCD graphic 132×38 mm
Display screen size	132×38 mm
Display screen size Display backlight	132×38 mm ✓
Display screen size Display backlight Display digit height - smallest digit	132×38 mm ✓ 4 mm
Display screen size Display backlight Display digit height - smallest digit Display digit height	132×38 mm ✓ 4 mm 15 mm
Display screen size Display backlight Display digit height - smallest digit Display digit height Languages of the user interface	132×38 mm ✓ 4 mm 15 mm
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Display screen size Display backlight Display digit height - smallest digit Display digit height Languages of the user interface Construction Dimension housing (W×D×H) Dimensions rectangular draught shield - inner (W×D×H) Dimensions rectangular draught	132×38 mm ✓ 4 mm 15 mm English 210×340×330 mm 160×170×225 mm
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EURO

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Functions

Number of kove for operation	6
Number of keys for operation	-
Auto-off interval(s) in mains power mode	off 5 min 2 min 15 min
Capacity display	✓
PreTare function	\checkmark
Tare function	manual (multi)
Density determination	\checkmark
Dispensing function	1
Percentage determination	\checkmark
Counting function	1
Tolerance weighing	\checkmark
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	1
Standby function	1
Recipe/summing level	Rez B (Net-total, memory with plain text designations + setpoint, also for printout)
Recipe weighing - number of database entries	99
Recipe weighing - number of ingredients per database entry	20
Underfloor weighing	None
Interfaces	RS-232 standard

Counting

Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Counting reference weight can be entered	1
Reference quantity	10, 25, 50, 100, n (any number of pieces)
Counting resolution (laboratory conditions)	160.000

Power Supply

Input voltage power supply / power [Max]	country dependent
Input voltage device / power [Max]	24 V 1 A
Plug-in power supply type	Power adapter
Supplied power supply	Power supply unit

Plug-in power supply / adapter for countries - included with the delivery	AUS UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH
Environmental conditions	
Humity of environment [Max]	80 %
Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	40 °C
Packing & Shipping	
Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	400×515×615 mm
Net weight	6,5 kg
Shipping method	Parcel service
Net weight approx.	7 kg
Gross weight approx.	9 kg
Shipping weight	25,3 kg
Services (optional)	
Article number for conformity assessment	965-201
Article number for DAkkS calibration	963-101
Article number for certificate of conformity (verification)	969-517

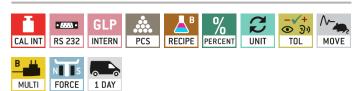
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Pictograms

STANDARD



OPTION



FACTORY

