

# KERN ALJ 160-4AM

# KERN

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



## Category

Brand	KERN
Product category	Laboratory balances
Product group	Analytical balances

## Measuring System

Readability [d]	0,0001 g
Readability carat [d] (ct)	0,001 ct
Weighing capacity [Max]	160 g
Minimum weight [Min] (ct)	0,1 ct
Weighing capacity [Max] (ct)	800 ct
Eccentric loading at 1/3 [Max]	0,0003 g
Minimum weight [Min]	0,01 g
USP Minimum weight of sample (k = 2, U = 0.1%)	200 mg
Reproducibility	0,0001 g
Linearity	± 0,0003 g
Weighing system	Force compensation
Resolution	1.600.000
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
Default unit	g
Stabilization time	4 s
Warm-up time	8 h
Adjustment options	Internal calibration (automatic)
Automatic adjustment - Standard temperature deviation	1,2 °C
Automatic adjustment - Standard time interval	3 h

## Approval

CE mark	✓
Conformity assessment possible ex works	✓
Pattern approval for conformity assessment	✓
Accuracy classe	I
Verification scale interval [e]	0,001 g
Verification scale interval [e] (ct)	0,01 ct

## Display

Display digit height	15 mm
Display backlight	✓
Display screen size	132×38 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
Material housing	plastic
Material display housing	Plastics
Material weighing plate	stainless steel
Material platform	Stainless steel
Material draught shield	glass
Levelling feet adjustable	✓

## Functions

Number of keys for operation	6
Auto-off interval(s) in mains power mode	off 5 min 2 min 15 min
Capacity display	✓
PreTare function	✓
Tare function	manual (multi)
Density determination	✓
Dispensing function	✓
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓

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Standby function	✓
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	✓
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 plug-in power supply	Power supply unit
Plug-in power supply / adapter for countries - included with the delivery	EURO AUS UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH

## Environmental conditions

Humidity of environment [Max]	80 %
Ambient temperature [Min]	5 °C
Ambient temperature [Max]	35 °C

## Packing & Shipping

Readability force [d] (N)	1 d
Shipping method	Parcel service
Dimensions packaging (W×D×H)	400×515×615 mm
Net weight approx.	7 kg
Gross weight approx.	9 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

## Piktogramme

### STANDARD



### OPTION



### FACTORY

