

KERN ALS 160-4A



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



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 weighing plate	stainless steel
Material draught shield	glass
Levelling feet adjustable	✓

Functions

Number of keys for operation	6
Capacity display	✓
PreTare function	✓
Tare function	manual (multi)
Density determination	✓
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Function for averaging under unstable weighing conditions	✓
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
---	------

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
Weighing capacity [Max] (ct)	800 ct
Eccentric loading at 1/3 [Max]	0,0004 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
Default unit	g
Stabilization time	4 s
Warm-up time	8 h
Adjustment options	Adjusting with external weight
Recommended adjusting weight	150 g (E2)
Possible calibration points	100 g; 150 g

Approval

CE mark	✓
Accuracy classe	I (without pattern approval)

KERN ALS 160-4A



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

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

Piktogramme

STANDARD



OPTION

