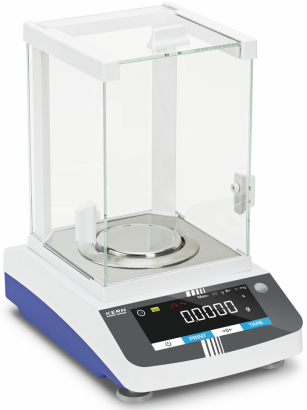
KERN **ADS 100-4**

Analytical balance with flexible functionality and touch display



Category

Brand	KERN
Product categoriy	Laboratory balance
Product group	Analytical balance
Product family	ADS

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Force compensation
Weighing capacity [Max]	120 g
Readability [d]	0,0001 g
Reproducibility	0,0003 g
Linearity	± 0,0003 g
USP Minimum weight of sample (k = 2, U = 0.1%)	600 mg
Resolution	1.200.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	100 g (E2)
Possible calibration points	100 g; 120 g
Stabilization time	3 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,0006 g
Maximum creep (15 minutes)	1 mg
Maximum creep (30 minutes)	2 mg
Default unit	g
Units	kg g mg gn dwt tl (Tw) ozt ct lb N oz ffa

Display

Display type	LCD
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Display backlight	✓
Display screen size	140×48 mm
Display segments	7
Display digit height	20 mm
Languages of the user interface	English Symbol language

Construction

Dimensions completely mounted (W×D×H)	207×318×360 mm
Dimensions rectangular draught shield - inner (W×D×H)	174×162×228 mm
Dimensions rectangular draught shield - outer (W×D×H)	201×220×256 mm
Dimensions weighing surface (Ø)	90 mm
Dimensions weighing surface	90 mm
Material housing	ABS plastic
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	glass
Level indicator	✓
Levelling feet adjustable	✓

Functions

Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Density determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	acoustically visual
Underfloor weighing	Hook (included in delivery)
Function for averaging under unstable weighing conditions	✓
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	120.000

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Smallest piece weight when piece counting - laboratory conditions	1 mg
Smallest piece weight when piece counting - normal conditions	10 mg
Reference quantity	1 ... 100
Peak function	✓
Statistic function	✓
Auto-off interval(s) in mains power mode	off
Tare function	manual (multi)
Number of keys for operation	4

Interface

Interfaces	RS-232 standard USB-Device

Power Supply

Supplied power supply	Power supply unit
Plug-in power supply type	Power adapter
Plug-in power supply / adapter for countries - included with the delivery	EURO UK US CH
Input voltage power supply / power [Max]	100 V - 240 V AC, 50 / 60 Hz
Input voltage device / power [Max]	12 V; 2 A

Environmental conditions

Ambient temperature [Min]	15 °C
Ambient temperature [Max]	25 °C
Humity of environment [Min]	15 %
Humity of environment [Max]	80 %
Storage temperature [Min]	-10 °C
Storage temperature [Max]	60 °C

Approval

CE mark	✓

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)	325×443×396 mm
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	8 kg
Shipping weight	11,4 kg

Pictograms

STANDARD

OPTION