

KERN ACS 100-4

KERN

The bestseller in analytical balances, with high-quality single-cell weighing system



Category

Brand	KERN
Product category	Laboratory balance
Product group	Analytical balance
Product family	ACS

Measuring System

Weighing system	Single-Cell
Weighing capacity [Max]	120 g
Readability [d]	0,0001 g
Reproducibility	0,0002 g
Linearity	± 0,0003 g
Resolution	1.200.000
Adjustment options	Adjusting with external weight
Recommended adjusting weight	100 g (E2)
Possible calibration points	50 g
Stabilization time	3 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,0005 g
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
Construction type of the scale	Single-range balance

Units	g
	mg
	gn
	dwt
	tl (Tw)
	tl (HK)
	ozt
	tl (Singap, Malays)
	ct
	oz
	ffa

	bat
	m
	PCS
	mom
Weighing capacity [Max] (ct)	600 ct
Maximum creep (15 minutes)	1 mg
Maximum creep (30 minutes)	2 mg
Default unit	g

Display

Display type	LCD
Display type	LCD
Display backlight	no
Display screen size	115×32 mm
Display digit height	14 mm
Languages of the user interface	Symbol language

Construction

Dimension housing (W×D×H)	213×333×338 mm
Dimensions rectangular draught shield - inner (W×D×H)	174×162×227 mm
Dimensions rectangular draught shield - outer (W×D×H)	201×220×256 mm
Dimensions weighing surface (Ø)	91 mm
Dimensions weighing surface	91 mm
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	glass
Material display housing	plastic
Level indicator	✓
Levelling feet adjustable	✓

Functions

Sum memory function	✓
Recipe/summing level	Rez A (Net total)
Percentage determination	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Standby function	✓
Counting function	✓
Counting resolution (laboratory conditions)	120.000
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

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Reference quantity 5, 10, 20, 50, 100

Auto-off interval(s) in mains power mode 0 - 99 min

Tare function manual (multi)

Number of keys for operation 6

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
AUS
UK
US
CH

Plug-in power supply / adapter for countries - optional
EURO
UK
US
CH

Input voltage power supply / power [Max] 110 V - 230 V AC

Power supply cable removable removable

Input voltage device / power [Max] 12 V, 1 A

Power socket for mains adapter
Hollow plug, inside minus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 9,5 mm

Environmental conditions

Ambient temperature [Min] 10 °C

Ambient temperature [Max] 30 °C

Humidity of environment [Min] 20 %

Humidity of environment [Max] 85 %

Storage temperature [Min] -10 °C

Storage temperature [Max] 50 °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) 392×570×520 mm

Shipping method Parcel service

Net weight approx. 6 kg

Gross weight approx. 9 kg

Shipping weight 23,2 kg

Product information

GTIN/EAN number 4045761235694

REACH classification no prohibited substances

Pictograms

STANDARD



OPTION

