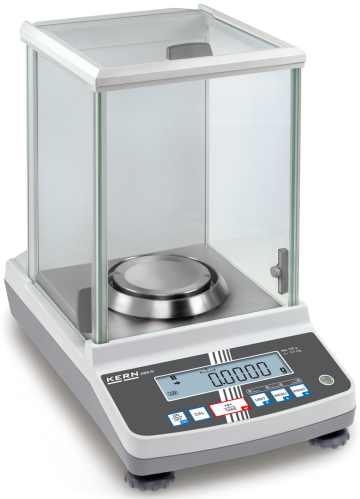
KERN **ACS 200-4**

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



Category

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

Measuring System

Construction type of the scale	Single-range balance
Weighing system	Single-Cell
Weighing capacity [Max]	220 g
Readability [d]	0,0001 g
Resolution	2.200.000
Linearity	± 0,0003 g
Reproducibility	0,0002 g
Default unit	g
Units	g mg ct
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
Adjustment options	Adjusting with external weight
Recommended adjusting weight	200 g (E2)
Possible calibration points	100 g
Stabilization time	3 s
Warm-up time	8 h
Eccentric loading at 1/3 [Max]	0,0005 g
Maximum creep (15 minutes)	1 mg
Maximum creep (30 minutes)	2 mg

Approval

CE mark	✓

Display

Display type	LCD
Display type	LCD
Display screen size	115×32 mm
Display backlight	no
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
Material display housing	Plastics
Material housing	plastic
Material weighing plate	stainless steel
Material draught shield	glass
Dimensions weighing surface (Ø)	91 mm
Levelling feet adjustable	✓

Functions

Number of keys for operation	6
Auto-off interval(s) in mains power mode	0 - 99 min
Tare function	manual (multi)
Percentage determination	✓
Counting function	✓
Tolerance weighing	✓
Tolerance weighing - type of signal	visual
Standby function	✓
Recipe/summing level	Rez A (Net total)
Sum memory function	✓
Interfaces	RS-232 standard USB-Device

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	5, 10, 20, 50, 100
Counting resolution (laboratory conditions)	220.000

KERN **ACS 200-4**

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

Power Supply

Input voltage power supply / power [Max]	110 V - 230 V AC
Input voltage device / power [Max]	12 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	EURO UK US CH
Plug-in power supply / adapter for countries - optional	EURO UK US CH

Environmental conditions

Humity of environment [Min]	20 %
Humity of environment [Max]	85 %
Ambient temperature [Min]	10 °C
Ambient temperature [Max]	30 °C
Storage temperature [Min]	-10 °C
Storage temperature [Max]	50 °C

Packing & Shipping

Readability force [d] (N)	1 d
Dimensions packaging (W×D×H)	395×560×530 mm
Net weight	5,8 kg
Shipping method	Parcel service
Net weight approx.	6 kg
Gross weight approx.	9 kg
Shipping weight	23,4 kg

Services (optional)

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

Pictograms

STANDARD

OPTION