



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



Single-cell advanced technology:

- Fully automatic manufactured weighing cell from one piece of material
- Stable temperature behaviour
- Short stabilisation time: steady weight values within approx. 3 s under laboratory conditions
- Shock proof construction
- High corner load performance

USB data interfaces and RS-232 for transferring weighing data to the PC, tablet, printer or USB



Features

- KERN ACJ: Automatic internal adjustment in the case of a change in temperature $\geq 2\text{ }^{\circ}\text{C}$ or time-controlled every 4 h, guarantees high degree of accuracy and makes the balance independent of its location of use
- KERN ACS: Adjusting program CAL for quick setting of the balance accuracy, external test weights at an additional price, see *test weights*
- Dosage aid: High stability mode and other filter settings can be selected
- Simple recipe weighing and documenting with a combined tare/print function. In addition, the ingredients for the recipe are numbered automatically and printed out with their corresponding number and nominal weight
- Automatic data output to the PC/printer each time the balance is steady
- Identification number: 4 digits, printed on calibration protocol freely programmable
- Protective working cover included with delivery

Technical data

- Large LCD display, digit height 14 mm
- Dimensions weighing surface, stainless steel, $\varnothing 91\text{ mm}$
- weighing space W×D×H 174×162×227 mm
- Overall dimensions W×D×H 213×333×338 mm
- Net weight approx. 7 kg
- Permissible ambient temperature 10 °C/30 °C

Accessories

- Protective working cover, scope of delivery 5 items, KERN ACS-A02S05
- **1** Set for density determination of liquids and solids with density $\leq/\geq 1$, the density is indicated directly on the display, KERN YDB-03
- **2** Ioniser to neutralise electrostatic charge, KERN YBI-01A
- **3** Weighing table to absorb vibrations and oscillations, which would otherwise distort the weighing result, KERN YPS-03
- Minimum weight of sample, depending on the required process accuracy, only in combination with a DAkkS calibration certificate, KERN 969-103
- Equipment qualification: compliant qualification concept with Installation and Operating Qualification (IQ, OQ), for details see page 232
- Further details, plenty of further accessories and suitable printers see *Accessories*

STANDARD

													OPTION	FACTORY
CAL INT	CAL EXT	RS 232	USB	GLP	PCS	RECIPE	PERCENT	UNIT	TOL	MULTI	SC TECH	1 DAY	DAkkS	M
ACJ	ACS												+3 DAYS	ACJ

Model	Weighing capacity [Max]	Readability	Verification value	Minimal load	Reproducibility	Linearity	Options	
							Verification	DAkkS Calibr. Certificate
KERN	g	[d] mg	[e] mg	[Min] mg	mg	mg	 KERN	DAkkS KERN
ACS 80-4	82	0,1	-	-	0,2	$\pm 0,3$	-	963-101
ACS 100-4	120	0,1	-	-	0,2	$\pm 0,3$	-	963-101
ACS 200-4	220	0,1	-	-	0,2	$\pm 0,3$	-	963-101
ACS 300-4	320	0,1	-	-	0,2	$\pm 0,3$	-	963-101

Note: For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order. The initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification.

ACJ 80-4M	82	0,1	1	10	0,2	$\pm 0,3$	965-201	963-101
ACJ 100-4M	120	0,1	1	10	0,2	$\pm 0,3$	965-201	963-101
ACJ 200-4M	220	0,1	1	10	0,2	$\pm 0,3$	965-201	963-101
ACJ 300-4M	320	0,1	1	10	0,2	$\pm 0,3$	965-201	963-101