

# KERN ACJ 80-4M

**KERN**

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



Category	
Brand	KERN
Product category	Laboratory balance
Product group	Analytical balance
Product family	ACJ

Measuring System	
Weighing system	Single-Cell
Weighing capacity [Max]	82 g
Units (if device is conformity assessed)	g mg
Readability [d]	0,0001 g
Resolution	820.000
Linearity	± 0,0003 g
Reproducibility	0,0002 g
Units	g mg
Minimum weight [Min]	0,01 g
Automatic adjustment - Standard temperature deviation	2 °C
Adjustment options	Internal calibration (automatic) Adjusting with internal weight (manual)
Recommended adjusting weight	80 g (E2)
Stabilization time	3 s
Warm-up time	4 h
Eccentric loading at 1/3 [Max]	0,0005 g
USP Minimum weight of sample (k = 2, U = 0.1%)	400 mg
Automatic adjustment - Standard time interval	4 h
Default unit	g

Conformity assessment possible	✓
Construction type of the scale	Single-range balance

Approval	
CE mark	✓
Conformity assessment possible ex works	✓
Accuracy classe	I
Verification scale interval [e]	0,001 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
Material display housing	Plastics
Material housing	cast aluminium, plastic
Material weighing plate	stainless steel
Material draught shield	glass
Dimensions weighing surface (Ø)	91 mm
Levelling feet adjustable	✓
Level indicator	✓

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)	82.000
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

## 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

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

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

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

## 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

## Packing & Shipping

Delivery time 1 d

Dimensions packaging (W×D×H) 390×565×520 mm

Net weight 6,1 kg

Shipping method Parcel service

Net weight approx. 7 kg

Gross weight approx. 9 kg

Shipping weight 22,9 kg

## Services (optional)

Article number for conformity assessment 965-201

Article number for DAkkS calibration 963-101

Article number for certificate of conformity (verification) 969-517

## Interface

Interfaces RS-232 standard  
USB-Device

## Pictograms

### STANDARD



### OPTION



### FACTORY

