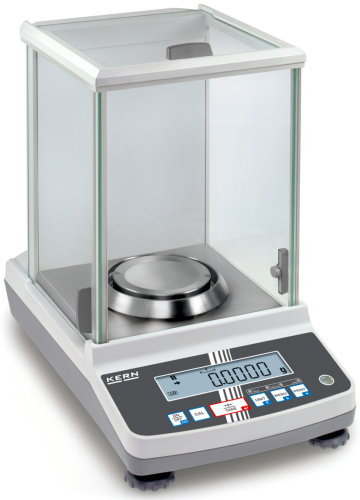
# KERN **ACS 100-4**

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

| | |
|---|---|
| Weighing system | Single-Cell |
| Weighing capacity [Max] | 120 g |
| Readability [d] | 0,0001 g |
| Reproducibility | 0,0002 g |
| typical reproducibility | 0,00006 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 |
| typical USP Minimum weight of sample | 120 mg |
| Construction type of the scale | Single-range balance |
| Units | g<br>mg<br>gn<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>ct<br>oz<br>ffa<br>bat<br>m<br>PCS<br>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 | ✓ |
| Density 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 | ✓ |

# KERN **ACS 100-4**

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

| | |
|---|---|
| Smallest piece weight when piece counting - laboratory conditions | 1 mg |
| Smallest piece weight when piece counting - normal conditions | 10 mg |
| 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<br>USB-Device |

## Power Supply

| | |
|---|---|
| Supplied power supply | Power supply unit |
| Power supply type | Power adapter |
| Plug-in power supply / adapter for countries - included with the delivery | EURO<br>AUS<br>UK<br>US<br>CH |
| Plug-in power supply / adapter for countries - optional | EURO<br>UK<br>US<br>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 |
| Humity of environment [Min] | 20 % |
| Humity 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

