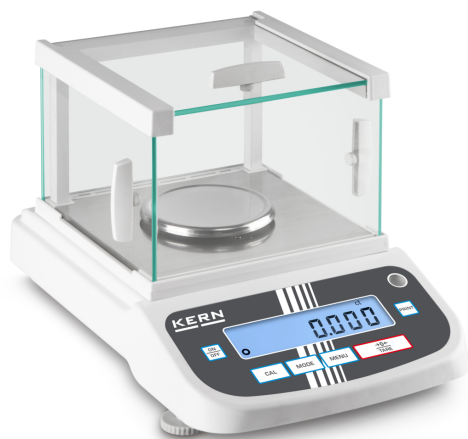


# KERN ADB 600-C3

**KERN**

The price leader in analytical balances



Date of creation: 10.07.2026

## Category

|                  |                    |
|------------------|--------------------|
| Brand            | KERN               |
| Product category | Laboratory balance |
| Product group    | Analytical balance |
| Product family   | ADB                |

## Measuring System

|                                                |                                |
|------------------------------------------------|--------------------------------|
| Weighing system                                | Force compensation             |
| Weighing capacity [Max]                        | 600 ct                         |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 800 mg                         |
| Readability [d]                                | 0,001 ct                       |
| Reproducibility                                | 0,002 ct                       |
| Linearity                                      | ± 0,004 ct                     |
| Resolution                                     | 600.000                        |
| Tare range                                     | 600 ct                         |
| Adjustment options                             | Adjusting with external weight |
| Recommended adjusting weight                   | 120 g (E2)                     |
| Possible calibration points                    | 100 g; 120 g                   |
| Stabilization time                             | 4 s                            |
| Eccentric loading at 1/3 [Max]                 | 0,0025 ct                      |
| Weighing capacity [Max] (ct)                   | 600 ct                         |
| Construction type of the scale                 | Single-range balance           |

|       |    |
|-------|----|
| Units | g  |
|       | ct |
|       | lb |
|       | oz |

|                            |      |
|----------------------------|------|
| Maximum creep (15 minutes) | 2 mg |
| Maximum creep (30 minutes) | 4 mg |

|                            |          |
|----------------------------|----------|
| Default unit               | g        |
| Readability carat [d] (ct) | 0,001 ct |

## Display

|                                 |                 |
|---------------------------------|-----------------|
| Display type                    | LCD             |
| Display backlight               | ✓               |
| Display segments                | 7               |
| Display digit height            | 16 mm           |
| Languages of the user interface | Symbol language |

## Construction

|                                                       |                 |
|-------------------------------------------------------|-----------------|
| Dimension housing (W×D×H)                             | 230×310×210 mm  |
| Dimensions rectangular draught shield - inner (W×D×H) | 170×160×110 mm  |
| Dimensions rectangular draught shield - outer (W×D×H) | 175×175×130 mm  |
| Dimensions weighing surface (Ø)                       | 90 mm           |
| Dimensions weighing surface                           | 90 mm           |
| Material housing                                      | plastic         |
| Material weighing plate                               | stainless steel |
| Material draught shield                               | glass           |
| Material display housing                              | plastic         |
| Level indicator                                       | ✓               |
| Levelling feet adjustable                             | ✓               |
| Transport safety lock - bolt torque                   | 0,4 Nm          |

## Functions

|                                                                   |                    |
|-------------------------------------------------------------------|--------------------|
| Percentage determination                                          | ✓                  |
| Underfloor weighing                                               | None               |
| Standby function                                                  | ✓                  |
| Counting function                                                 | ✓                  |
| Counting resolution (laboratory conditions)                       | 120.000            |
| 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 |
| Tare function                                                     | manual (multi)     |
| Number of keys for operation                                      | 6                  |

## Interface

|            |                 |
|------------|-----------------|
| Interfaces | RS-232 standard |
|------------|-----------------|

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## Power Supply

|                                                                           |                                                                                   |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Supplied power supply                                                     | Power supply unit                                                                 |
| Plug-in power supply / adapter for countries - included with the delivery | EURO<br>UK<br>US                                                                  |
| Plug-in power supply / adapter for countries - optional                   | EURO<br>UK<br>US<br>CH                                                            |
| Input voltage power supply / power [Max]                                  | 100 - 265 V; 50 - 60 Hz;<br>2,0 A                                                 |
| Power supply cable removable                                              | removable                                                                         |
| Input voltage device / power [Max]                                        | 12 V; 2 A                                                                         |
| Power socket for mains adapter                                            | Hollow plug, inside plus,<br>Ø outside 5,5 mm, Ø<br>inside 2,1 mm, long 9,5<br>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]     | 40 °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) | 401×521×408 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 3,8 kg         |
| Gross weight approx.         | 7 kg           |
| Shipping weight              | 17 kg          |
| Shipping volume weight       | 17 kg          |

## Product information

|                   |        |
|-------------------|--------|
| ATTR_warrantyTime | 36 mon |
|-------------------|--------|

|                 |               |
|-----------------|---------------|
| Trade number    | 90160010      |
| GTIN/EAN number | 4045761205222 |

## Pictograms

### STANDARD



### OPTION

