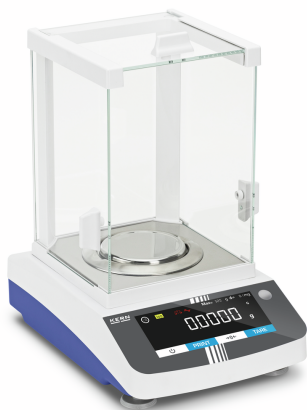


# KERN ADS 300-4

**KERN**

Analytical balance with flexible functionality and touch display



ct  
lb  
N  
oz  
ffa

| Display                         |                            |
|---------------------------------|----------------------------|
| Display type                    | LCD                        |
| Display type                    | LCD                        |
| Display backlight               | ✓                          |
| Display screen size             | 140×48 mm                  |
| Display segments                | 7                          |
| Display digit height            | 20 mm                      |
| Languages of the user interface | English<br>Symbol language |

| Construction                                          |                 |
|-------------------------------------------------------|-----------------|
| Dimensions completely mounted (W×D×H)                 | 207×318×360 mm  |
| Dimensions rectangular draught shield - inner (W×D×H) | 174×162×228 mm  |
| Dimensions rectangular draught shield - outer (W×D×H) | 201×220×256 mm  |
| Dimensions weighing surface (Ø)                       | 90 mm           |
| Dimensions weighing surface                           | 90 mm           |
| Material housing                                      | ABS plastic     |
| Material weighing plate                               | stainless steel |
| Material draught shield                               | glass           |
| Material display housing                              | glass           |
| 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                       | acoustically<br>visual      |
| Underfloor weighing                                       | Hook (included in delivery) |
| Function for averaging under unstable weighing conditions | ✓                           |
| Standby function                                          | ✓                           |
| Counting function                                         | ✓                           |
| Counting resolution (laboratory conditions)               | 320.000                     |

| Category         |                    |
|------------------|--------------------|
| Brand            | KERN               |
| Product category | Laboratory balance |
| Product group    | Analytical balance |
| Product family   | ADS                |

| Measuring System                               |                                |
|------------------------------------------------|--------------------------------|
| Construction type of the scale                 | Single-range balance           |
| Weighing system                                | Force compensation             |
| Weighing capacity [Max]                        | 320 g                          |
| Readability [d]                                | 0,0001 g                       |
| Reproducibility                                | 0,0004 g                       |
| Linearity                                      | ± 0,0004 g                     |
| USP Minimum weight of sample (k = 2, U = 0.1%) | 800 mg                         |
| Resolution                                     | 3.200.000                      |
| Adjustment options                             | Adjusting with external weight |
| Recommended adjusting weight                   | 300 g (E2)                     |
| Possible calibration points                    | 200 g; 300 g                   |
| Stabilization time                             | 5 s                            |
| Warm-up time                                   | 8 h                            |
| Eccentric loading at 1/3 [Max]                 | 0,0008 g                       |
| Maximum creep (15 minutes)                     | 1 mg                           |
| Maximum creep (30 minutes)                     | 2 mg                           |
| Default unit                                   | g                              |

Units

kg  
g  
mg  
gn  
dwt  
tl (Tw)  
ozt

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|                                                                   |                |
|-------------------------------------------------------------------|----------------|
| Smallest piece weight when piece counting - laboratory conditions | 1 mg           |
| Smallest piece weight when piece counting - normal conditions     | 10 mg          |
| Reference quantity                                                | 1 ... 100      |
| Peak function                                                     | ✓              |
| Statistic function                                                | ✓              |
| Auto-off interval(s) in mains power mode                          | off            |
| Tare function                                                     | manual (multi) |
| Number of keys for operation                                      | 4              |

## Interface

|            |                               |
|------------|-------------------------------|
| Interfaces | RS-232 standard<br>USB-Device |
|------------|-------------------------------|

## 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<br>UK<br>US<br>CH       |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V AC, 50 / 60 Hz |
| Input voltage device / power [Max]                                        | 12 V; 2 A                    |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | 15 °C  |
| Ambient temperature [Max]     | 25 °C  |
| Humidity of environment [Min] | 15 %   |
| Humidity of environment [Max] | 80 %   |
| Storage temperature [Min]     | -10 °C |
| Storage temperature [Max]     | 60 °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) | 325×443×396 mm |
| Shipping method              | Parcel service |

|                      |         |
|----------------------|---------|
| Net weight approx.   | 6 kg    |
| Gross weight approx. | 8 kg    |
| Shipping weight      | 11,4 kg |

## Pictograms

### STANDARD



### OPTION

