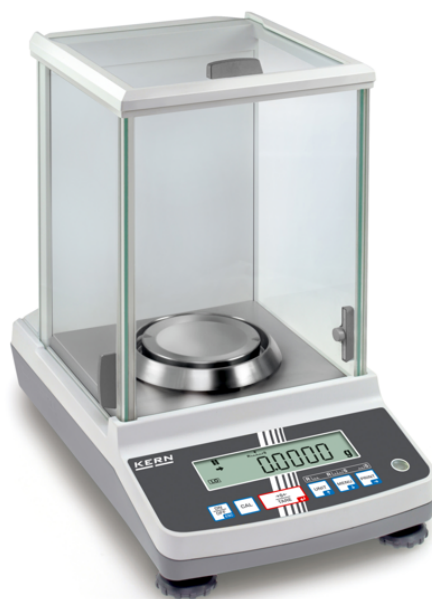


# KERN ACS 100-4

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



## Article codes, product groups & Status information

|                       |                     |
|-----------------------|---------------------|
| Model article-code    | ACS 100-4           |
| Model-Serie           | ACS                 |
| Assortment            | Scales              |
| Product Type          | Laboratory balances |
| Product group         | Analytical balances |
| Product usage type    | Main article        |
| EAN code (Model)      | 4045761235694       |
| Predecessor Model     | ABS 120-4N          |
| Planned start date    | 2020-1HJ            |
| Customs tariff number | 90160010            |
| CE Label              | Yes                 |
| Country of Origin     | PH                  |

## Technical data - Primary

|                   |            |
|-------------------|------------|
| Weighing capacity | 120 g      |
| Readability       | 0,0001 g   |
| Repeatability     | 0,0002 g   |
| Linearity         | ± 0,0003 g |

## Technical data - Construction

|                                        |                |
|----------------------------------------|----------------|
| Dimensions draft shield, inner (W×D×H) | 201×220×256 mm |
| Dimensions draft shield, outer (W×D×H) | 213×333×338 mm |
| Bubble Level                           | Yes            |

|                         |                 |
|-------------------------|-----------------|
| Material weighing plate | Stainless steel |
| Revolving screw feet    | Yes             |
| Casing material         | Plastic         |
| Weighing space (W×D×H)  | 174×162×227 mm  |

## Technical data - Display

|                |       |
|----------------|-------|
| Display height | 14 mm |
| Backlight      | No    |

## Technical data - Power supply

|                                |                            |
|--------------------------------|----------------------------|
| Mains adapter/adaptor included | AUS;CH;EURO;UK;US          |
| Input Voltage                  | 110 V - 230 V AC           |
| Mains adapter                  | Power supply unit          |
| Interfaces                     | RS-232 standard;USB-Device |

## Technical data - Measuring system

|                                                |                                                                             |
|------------------------------------------------|-----------------------------------------------------------------------------|
| Calibration method                             | Adjusting with external weight                                              |
| Linearity                                      | ± 0,0003 g                                                                  |
| Minimum weight (USP)                           | 400 mg                                                                      |
| Readability                                    | 0,0001 g                                                                    |
| Recommended adjusting weight                   | 100 g (E2)                                                                  |
| Repeatability                                  | 0,0002 g                                                                    |
| Stabilisation time under laboratory conditions | 3 s                                                                         |
| Warm up time                                   | 8 h                                                                         |
| Weighing system                                | Single-Cell                                                                 |
| Weighing units                                 | Bat;ct;dwt;ffa;g;gn;m;mg;mom;oz;ozt;PCS;tl (HK);tl (Singap, Malays);tl (Tw) |

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|                      |        |
|----------------------|--------|
| Carat - max capacity | 600 ct |
|----------------------|--------|

## Technical data - Environmental conditions

|                  |      |
|------------------|------|
| Maximum humidity | 85 % |
|------------------|------|

|                               |       |
|-------------------------------|-------|
| Maximum operating temperature | 30 °C |
|-------------------------------|-------|

|                             |       |
|-----------------------------|-------|
| Minimum ambient temperature | 10 °C |
|-----------------------------|-------|

|                  |      |
|------------------|------|
| Minimum humidity | 20 % |
|------------------|------|

## Technical data - Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Dimensions packaging (W×D×H) | 392×570×520 mm |
|------------------------------|----------------|

|              |      |
|--------------|------|
| Gross weight | 9 kg |
|--------------|------|

|            |      |
|------------|------|
| Net weight | 6 kg |
|------------|------|

|                 |                |
|-----------------|----------------|
| Shipping method | Parcel service |
|-----------------|----------------|

|                                             |           |
|---------------------------------------------|-----------|
| Packaging component - by weight - cardboard | 1.372,5 g |
|---------------------------------------------|-----------|

|                                             |           |
|---------------------------------------------|-----------|
| Packaging component - by weight - styrofoam | 1.372,5 g |
|---------------------------------------------|-----------|

|                                        |     |
|----------------------------------------|-----|
| Packaging component - by weight - wood | 0 g |
|----------------------------------------|-----|

|               |     |
|---------------|-----|
| Delivery time | 1 d |
|---------------|-----|

## Technical data - Counting data

|                     |         |
|---------------------|---------|
| Counting resolution | 120.000 |
|---------------------|---------|

|                                                     |      |
|-----------------------------------------------------|------|
| Minimum piece weight at piece counting (Laboratory) | 1 mg |
|-----------------------------------------------------|------|

|                      |       |
|----------------------|-------|
| Minimum piece weight | 10 mg |
|----------------------|-------|

## Optional Services

|                   |         |
|-------------------|---------|
| DAkks Calibration | 963-101 |
|-------------------|---------|

## Functions

### Standard



### Option

DAkks