

# KERN CDS 36K0.2L

**KERN**

Easy to use industrial counting scale for heavy loads, counting resolution 180.000 points, ideal for the diverse possibilities of Industry 4.0 applications



Date of creation: 23.06.2026

| Category                       |                                |
|--------------------------------|--------------------------------|
| Brand                          | KERN                           |
| Product category               | Industrial scale               |
| Product group                  | Counting scale                 |
| Product family                 | CDS                            |
| Measuring System               |                                |
| Weighing system                | Strain gauge                   |
| Weighing capacity [Max]        | 36 kg                          |
| Readability [d]                | 0,0002 kg                      |
| Reproducibility                | 0,0002 kg                      |
| Linearity                      | ± 0,0006 kg                    |
| Resolution                     | 180.000                        |
| Adjustment options             | Adjusting with external weight |
| Recommended adjusting weight   | 36 kg (F1)                     |
| Possible calibration points    | 12 kg; 24 kg; 36 kg            |
| Eccentric loading at 1/3 [Max] | 0,001 kg                       |
| Construction type of the scale | Single-range balance           |
| Units                          | kg                             |
|                                | g                              |
|                                | dwt                            |
|                                | tl (Tw)                        |
|                                | tl (HK)                        |
|                                | ozt                            |
|                                | tl (Singap, Malays)            |
|                                | ct                             |
|                                | mo                             |
|                                | lb                             |
|                                | oz                             |
|                                | ffa                            |
| Maximum creep (15 minutes)     | 2 g                            |
| Maximum creep (30 minutes)     | 4 g                            |
| Default unit                   | kg                             |

## Display

|                                 |                            |
|---------------------------------|----------------------------|
| Display type                    | LCD                        |
| Display type                    | 7 segment LED              |
| Display backlight               | ✓                          |
| Display screen size             | 89×30 mm                   |
| Display segments                | 7                          |
| Display digit height            | 21 mm                      |
| Languages of the user interface | English<br>Symbol language |

## Construction

|                                      |                  |
|--------------------------------------|------------------|
| Dimension housing (W×D×H)            | 225×115×60 mm    |
| Dimension display device (W×D×H)     | 225×115×60 mm    |
| Dimensions weighing surface (W×D)    | 500×400 mm       |
| Dimensions weighing surface          | 500×400 mm       |
| Dimensions weighing platform (W×D×H) | 500×400×127 mm   |
| Material housing                     | plastic          |
| Material weighing plate              | stainless steel  |
| Material platform                    | metal, lacquered |
| Material display housing             | plastic          |
| Material load cell(s)                | aluminium        |
| Level indicator                      | ✓                |
| Levelling feet adjustable            | ✓                |
| Wall mount                           | ✓                |
| Display device cable length          | 2,5 m            |

## Functions

|                                                                   |                                         |
|-------------------------------------------------------------------|-----------------------------------------|
| PreTare function                                                  | ✓                                       |
| Percentage determination                                          | ✓                                       |
| Tolerance weighing                                                | ✓                                       |
| Tolerance weighing - type of signal                               | acoustically<br>visual                  |
| Function for averaging under unstable weighing conditions         | ✓                                       |
| Counting function                                                 | ✓                                       |
| Counting resolution (laboratory conditions)                       | 180.000                                 |
| Counting reference weight can be entered                          | ✓                                       |
| Smallest piece weight when piece counting - laboratory conditions | 200 mg                                  |
| Smallest piece weight when piece counting - normal conditions     | 2 g                                     |
| Reference quantity                                                | 5, 10, 20, 50, n (any number of pieces) |

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|                                                                |                |
|----------------------------------------------------------------|----------------|
| Auto-off interval(s) in battery mode/rechargeable battery mode | 5 min          |
|                                                                | 2 min          |
|                                                                | 1 min          |
|                                                                | 30 min         |
|                                                                | 60 min         |
|                                                                | 30 sec         |
| Auto-off interval(s) in mains power mode                       | off            |
| Tare function                                                  | manual (multi) |
| Number of keys for operation                                   | 7              |

## Interface

|                           |                                 |
|---------------------------|---------------------------------|
| Interfaces                | RS-232 (optional)               |
|                           | Ethernet (optional)             |
|                           | analogue (0 - 10 V) (optional)  |
|                           | Bluetooth BLE (v4.0) (optional) |
|                           | USB-Device (optional)           |
|                           | WiFi (optional)                 |
| compatible with EasyTouch | ✓                               |

## 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                                                                    |
|                                                                           | UK                                                                      |
|                                                                           | US                                                                      |
|                                                                           | CH                                                                      |
| Plug-in power supply / adapter for countries - optional                   | EURO                                                                    |
|                                                                           | UK                                                                      |
|                                                                           | US                                                                      |
|                                                                           | CH                                                                      |
| Input voltage power supply / power [Max]                                  | 100 V - 240 V AC, 50 / 60 Hz                                            |
| Power supply cable removable                                              | removable                                                               |
| Input voltage device / power [Max]                                        | 5,9V, 1A                                                                |
| Power socket for mains adapter                                            | Hollow plug, inside plus, Ø outside 5,5 mm, Ø inside 2,1 mm, long 13 mm |
|                                                                           |                                                                         |
| Battery / accumulator type                                                | Li-Ion                                                                  |
| Rechargeable battery operating time - backlight on                        | 24 h                                                                    |
| Rechargeable battery operating time - backlight off                       | 48 h                                                                    |
| Rechargeable battery charging time                                        | 8 h                                                                     |
| Rechargeable battery optional                                             | Rchrg. battery optional - intern                                        |

## Environmental conditions

|                               |        |
|-------------------------------|--------|
| Ambient temperature [Min]     | -10 °C |
| Ambient temperature [Max]     | 40 °C  |
| Humidity of environment [Max] | 80 %   |

## Approval

|         |   |
|---------|---|
| CE mark | ✓ |
|---------|---|

## Services (optional)

|                                              |         |
|----------------------------------------------|---------|
| Article number for DAkks calibration         | 963-128 |
| Article number for certificate of conformity | 969-517 |

## Packing & Shipping

|                              |                |
|------------------------------|----------------|
| Delivery time                | 1 d            |
| Dimensions packaging (W×D×H) | 930×550×210 mm |
| Shipping method              | Parcel service |
| Net weight approx.           | 12 kg          |
| Gross weight approx.         | 13 kg          |
| Shipping weight              | 21,5 kg        |
| Shipping volume weight       | 21,5 kg        |

## Product information

|                      |                          |
|----------------------|--------------------------|
| GTIN/EAN number      | 404576 1491656           |
| Trade number         | 84238220                 |
| REACH classification | no prohibited substances |

## Pictograms

### STANDARD



### OPTION

