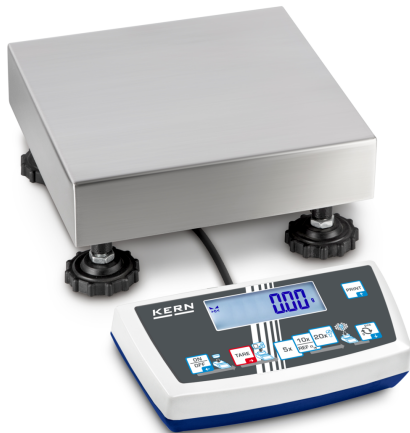


# KERN CDS 4K0.02

Easy to use industrial counting scale for heavy loads, counting resolution 200.000 points, ideal for the diverse possibilities of Industry 4.0 applications



| Category         |                  |
|------------------|------------------|
| Brand            | KERN             |
| Product category | Industrial scale |
| Product group    | Counting scale   |
| Product family   | CDS              |

| Measuring System               |   |
|--------------------------------|---|
| Weighing system                | Strain gauge  |
| Weighing capacity [Max]        | 4000 g  |
| Readability [d]                | 0,02 g  |
| Reproducibility                | 0,04 g  |
| Linearity                      | ± 0,1 g   |
| Resolution                     | 200.000   |
| Adjustment options             | Adjusting with external weight  |
| Recommended adjusting weight   | 2 kg (F1); 2 kg (F1)  |
| Possible calibration points    | 2 kg; 4 kg  |
| Stabilization time             | 3 s   |
| Eccentric loading at 1/3 [Max] | 0,1 g   |
| Construction type of the scale | Single-range balance  |
| Units                          | g<br>dwt<br>tl (Tw)<br>tl (HK)<br>ozt<br>tl (Singap, Malays)<br>ct<br>mo<br>lb<br>oz<br>ffa |
| Maximum creep (15 minutes)     | 200 mg  |
| Maximum creep (30 minutes)     | 400 mg  |
| Default unit                   | g   |

| 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)    | 228×228 mm       |
| Dimensions weighing surface          | 228×228 mm       |
| Dimensions weighing platform (W×D×H) | 230×230×103 mm   |
| Material housing                     | plastic          |
| Material weighing plate              | stainless steel  |
| Material platform                    | metal, lacquered |
| Material display housing             | plastic          |
| Level indicator                      | ✓                |
| Levelling feet adjustable            | ✓                |
| Wall mount                           | ✓                |
| Transport safety lock - bolt torque  | 0,1 Nm           |
| Display device cable length          | 2,5 m            |

| Functions   |   |
|---|---|
| PreTare function  | ✓                                       |
| Percentage determination  | ✓                                       |
| Tolerance weighing  | ✓                                       |
| Tolerance weighing - type of signal                               | acoustically<br>visual                  |
| Underfloor weighing   | None                                    |
| Function for averaging under unstable weighing conditions         | ✓                                       |
| Counting function   | ✓                                       |
| Counting resolution (laboratory conditions)                       | 200.000                                 |
| Counting reference weight can be entered                          | ✓                                       |
| Smallest piece weight when piece counting - laboratory conditions | 20 mg                                   |
| Smallest piece weight when piece counting - normal conditions     | 200 mg                                  |
| 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)             |
|            | Bluetooth BLE (v4.0) (optional) |
|            | USB-Device (optional)           |
|            | KUP                             |
|            | 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 |
|--------------------------------|---|

|  |      |
|--|------|
| 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 | 963-127 |
|--------------------------------------|---------|

|  |         |
|--|---------|
| Article number for certificate of conformity | 969-517 |
|--|---------|

## Packing & Shipping

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

|                              |                |
|------------------------------|----------------|
| Dimensions packaging (W×D×H) | 520×390×150 mm |
|------------------------------|----------------|

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

|                    |      |
|--------------------|------|
| Net weight approx. | 8 kg |
|--------------------|------|

|                      |       |
|----------------------|-------|
| Gross weight approx. | 10 kg |
|----------------------|-------|

|                 |        |
|-----------------|--------|
| Shipping weight | 9,8 kg |
|-----------------|--------|

## Product information

|                 |               |
|-----------------|---------------|
| GTIN/EAN number | 4045761356962 |
|-----------------|---------------|

|              |          |
|--------------|----------|
| Trade number | 84238129 |
|--------------|----------|

|                      |                          |
|----------------------|--------------------------|
| REACH classification | no prohibited substances |
|----------------------|--------------------------|

## Pictograms

### STANDARD



### OPTION

