PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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# KERN CDS 60K0.2

Easy to use industrial counting scale for heavy loads, counting resolution 300.000 points, ideal for the diverse possibilities of Industry 4.0 applications

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## CONTACT

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## APPLICATION EXAMPLE





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## FEATURES

- Precise, intuitive to use and digital – with our counting scales you can accelerate your annual stock taking processes and thus save time and money
- Self-explanatory, graphic control panel, the workings steps can be understood immediately, even without operating instructions
  - no learning time = reduces costs
  - ideal for untrained users
  - visualised process avoids operating errors
- The 4 steps are carried out from left to right:
  [[1]] Place the empty container onto the weighing plate and tare by pressing the TARE key
  [[2]] Place the reference quantity for the goods to be counted into the container (5, 10 or 20 pieces)
  [[3]] Confirm the selected reference quantity by pressing the key (5, 10 or 20)
  [[4]] Pour in the goods to be counted. The number of pieces will immediately be shown in the display
- Precise counting: The automatic reference weight optimisation of reference weight gradually improves the average piece weight value
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- KERN Communication Protocol (KCP): The KCP permits searching and remote control of the balance using external control devices or computers
- Standardised, simplified concept of operation
- Protective working cover over the display device included with the delivery

## TECHNICAL DATA

- Backlit LCD display, digit height 21 mm
- Dimensions weighing surface, stainless steel, W×D×H 500×400×127 mm
- Dimensions of display device W×D×H 225×115×60 mm
- Cable length of display device approx. 2,5 m
- Net weight approx. 12 kg
- Permissible ambient temperature -10 °C/40 °C

## PICTOGRAMS

Standard




Option




## MODEL OVERVIEW

| Model | Weighing capacity [Max] | Readability [d] | Smallest part weight (Normal) | Counting resolution Points | Dimensions weighing surface |
|---|---|---|---|---|---|
| CDS 30K0.1L | 30 kg | 0,0001 kg | 1 g | 300.000 | 500×400 mm |
| CDS 36K0.2L | 36 kg | 0,0002 kg | 2 g | 180.000 | 500×400 mm |
| CDS 60K0.2 | 60 kg | 0,0002 kg | 2 g | 300.000 | 500×400 mm |

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## ACCESSORIES

| Model | Description |
|---|---|
| CFS-A03 | Signal lamp KERN CFS-A03 |
| DE-A12 | Protective working cover DE-A12 |
| DE-A13 | Wall mount DE-A13 |
| DS-A04 | Tripod DS-A04, Height of stand approx. 330 mm |
| DS-A05 | Tripod DS-A05, Height of stand approx. 600 mm |
| KUP-01 | RS-232 interface KUP-01 |
| KUP-03 | Interface USB-Device KUP-03 |
| KUP-04 | Ethernet interface KUP-04 |
| KUP-05 | WiFi interface KUP-05 |
| KUP-06 | Bluetooth BLE interface KUP-06 |
| KUP-13 | Extension box KUP-13 |
| YGR-01 | ESD grounding plug incl. grounding cable YGR-01 |
| YKA-27 | Power adapter YKA-27 (5,9V, 1A \| 100 V - 240 V, 50 / 60 Hz \| EURO, UK, US, CH) |
| YKC-01 | Thermal printer YKC-01 |
| YKG-01 | Dot Matrix Printer YKG-01 |
| YKH-01 | Thermal printer YKH-01 |
| YKR-01 | Rechargeable battery pack YKR-01 |
| YKT-01 | Needle printer YKT-01 |

| Model | Description |
|---|---|
| YRO-02 | roller conveyor YRO-02 |

## SOFTWARE

| Model | Description |
|---|---|
| SCD-4.0-DL | Software SCD-4.0-DL (Scope of supplies: Download link for 1 license) |
| SCD-4.0-DLS05 | Software SCD-4.0-DLS05 (Scope of supplies: Download link for 5 licenses) |
| SCD-4.0-PRO-DL | Software SCD-4.0-PRO-DL (Scope of supplies: Download link for 1 license) |
| SCD-4.0-PRO-DL-AS05 | Software SCD-4.0-PRO-DL-AS05 (Scope of supplies: Download link for 5 licenses) |
| SET-01 | Software KERN EasyTouch SET-01-2025a Base |
| SET-01 | Software KERN EasyTouch SET-01 Base |
| SET-04 | Software KERN EasyTouch SET-04-2025a Density |
| SET-04 | Software KERN EasyTouch SET-04 Density |
| SET-05 | Software KERN EasyTouch SET-05-2025a Dynamic |
| SET-05 | Software KERN EasyTouch SET-05 Dynamic |
| SET-06 | Software KERN EasyTouch SET-06-2025a Classification |
| SET-06 | Software KERN EasyTouch SET-06 Classification |
| SET-07 | Software KERN EasyTouch SET-07-2025a Variable |
| SET-07 | Software KERN EasyTouch SET-07 Variable |
| SET-08 | Software KERN EasyTouch SET-08-2025a Take-out |
| SET-08 | Software KERN EasyTouch SET-08 Take-out |
| SET-10 | Software KERN EasyTouch SET-10 Save Server |
| SET-11 | Software KERN EasyTouch SET-11-2025a Safety |
| SET-11 | Software KERN EasyTouch SET-11 Safety |
| SET-14 | Software KERN EasyTouch SET-14-2025a Individual Print |
| SET-14 | Software KERN EasyTouch SET-14 Individual Print |
| SET-16 | Software KERN EasyTouch SET-16-2025a Batch and Statistics |
| SET-16 | Software KERN EasyTouch SET-16 Batch and Statistics |
| SET-17 | Software KERN EasyTouch SET-17-2025a PrePack |
| SET-17 | Software KERN EasyTouch SET-17 PrePack |
| SET-18 | Software KERN EasyTouch SET-18-2025a Container Master |
| SET-18 | Software KERN EasyTouch SET-18 Container Master |

| Model | Description |
|---|---|
| SET-21 | Software KERN EasyTouch SET-21-2025a Formulation |
| SET-21 | Software KERN EasyTouch SET-21 Formulation |
| SET-22 | Software KERN EasyTouch SET-22-2025a Difference |
| SET-22 | Software KERN EasyTouch SET-22 Difference |
| SET-31 | Software KERN EasyTouch SET-31-2025a Tolerance |
| SET-31 | Software KERN EasyTouch SET-31 Tolerance |
| SET-32 | Software KERN EasyTouch SET-32-2025a Count |
| SET-32 | Software KERN EasyTouch SET-32 Count |
| SET-33 | Software KERN EasyTouch SET-33-2025a Target Count |
| SET-33 | Software KERN EasyTouch SET-33 Target Count |
| SET-35 | Software KERN EasyTouch SET-35-2025a Assembly Count |
| SET-35 | Software KERN EasyTouch SET-35 Assembly Count |
| SET-37 | Software KERN EasyTouch SET-37-2025a Export Manager |
| SET-37 | Software KERN EasyTouch SET-37 Export Manager |
| SET-39 | Software KERN EasyTouch SET-39 Data Interface |
| SET-40 | Software KERN EasyTouch SET-40 Protect |
| SET-46 | Software KERN EasyTouch SET-46-2025a Backup Scheduler |
| SET-46 | Software KERN EasyTouch SET-46 Backup Scheduler |
| SET-51 | Software KERN EasyTouch SET-51-2025a Audit Logs |
| SET-51 | Software KERN EasyTouch SET-51 Audit Logs |
| SET-52 | Software KERN EasyTouch SET-52-2025a Inventory |
| SET-52 | Software KERN EasyTouch SET-52 Inventory |
| SET-261 | Software KERN EasyTouch SET-261 Audio Management |
| SET-311 | Software KERN EasyTouch SET-311-2025a Quick Key |
| SET-311 | Software KERN EasyTouch SET-311 Quick Key |
| SET-411 | Software KERN EasyTouch SET-411-2025a Hotkeys |
| SET-411 | Software KERN EasyTouch SET-411 Hotkeys |

## SERVICES

| Model | Description |
|---|---|
| 963-129 | DAkkS calibration certificate 963-129 |

| Model | Description |
|---|---|
| 969-517 | Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517 |
| 970-105 | Warranty extension (+2 years) 970-105 |

# KERN Pictogram Overview

| | |
|---|---|
|  | External adjustment: Adjusting accuracy using external adjustment weight |
|  | KERN IoT-Line balances – smart weighing solutions for the digital future |
|  | KERN Universal Port (KUP): allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, USB, Bluetooth, WiFi, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort |
|  | KERN Communication Protocol (KCP): a standardized interface command set for KERN balances and other instruments, which allows retrieving and controlling all relevant parameters and functions of the device. KERN devices featuring KCP are thus easily integrated with computers, industrial controllers and other digital systems |
|  | Piece counting: Reference quantities selectable. Display can be switched from piece to weight |
|  | Measuring with tolerance range (checkweighing): Upper and lower limit values can be programmed, e.g. for sorting, portioning or for measuring coatings or material thicknesses. The process is supported by an acoustic and/or optical signal |
|  | Universal plug-in power supply: With universal input and optional input socket adapters for EU, CH, GB or EU, CH, GB, US or EU, CH, GB, US, AUS |
|  | Weighing principle Strain gauges: Electrical resistor on an elastic deforming body |
|  | Package shipment by courier service: The duration of internal product provision is one day |
|  | EasyTouch: Suitable for the connection, data transmission and control through PC or tablet |
|  | Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible |
|  | Data Interface USB: For connection to printers, PCs or other peripheral devices |
|  | Data interface Bluetooth: For connection to printers, PCs or other peripheral devices |
|  | Data interface WiFi: For data transfer to printers, PCs or other peripheral devices |
|  | Network interface: For connecting the measuring device to an Ethernet network |
|  | Rechargeable battery pack: Rechargeable set |
|  | Accredited calibration (DKD): The duration of the accredited calibration is 3 working days |

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