PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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# KERN IFS 100K-2LM

Industrial counting scale with convenient decimal keypad for easy data entry, counting resolution 60.000 points, verification optional

ENGLISH




## CONTACT

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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
- Tough industry standard suitable for use in harsh industrial applications
- Ergonomic display device with large keypad and high-contrast LCD display for easy entry and reading of, e.g., tare weights, reference weights, limit values etc.
- Three displays for weight display (verifiable), reference weight, total pieces
- 100 item memories for master data such as reference weight, reference quantity, container weight (PRE-TARE) etc.
- Precise counting: The manual reference weight optimisation gradually improves the average value of the piece weight
- Totalising of pieces when counting
- Printout with date and time
- Protective working cover over the display device included with the delivery

## TECHNICAL DATA

- Large backlit LCD displays, digit height 16,5 mm
- Weighing platform dimensions, stainless steel, W×D×H 650×500×140 mm
- 260×150×65 mm
- Cable length of display device approx. 3 m
- Net weight approx. 22 kg
- Permissible ambient temperature -10 °C/40 °C

## MAIN SCOPE OF APPLICATIONS

- Plastics technology
- Warehouse logistics
- Dispatch
- Counting applications
- Order picking and inventory

## PLEASE NOTE FOR YOUR ORDER

- For devices that require verification (conformity assessment according to NAWI 2014/31/EU), please include the verification when placing your order, the initial verification is not possible after delivery. Please inform the full address of the location of use for the initial verification

## PICTOGRAMS

Standard | Option | Factory




## MODEL OVERVIEW

| Model | Weighing capacity [Max] | Readability [d] | Verification value [e] | Minimal load [Min] | Smallest part weight (Normal) | Counting resolution Points | Dimensions weighing surface |
|---|---|---|---|---|---|---|---|
| IFS 6K-3M | 3 kg; 6 kg | 0,001 kg; 0,002 kg | 0,001 kg; 0,002 kg | 0,02 kg; 0,04 kg | 1 g | 60.000 | 300×240 mm |
| IFS 6K-3SM | 3 kg; 6 kg | 0,001 kg; 0,002 kg | 0,001 kg; 0,002 kg | 0,02 kg; 0,04 kg | 1 g | 60.000 | 230×230 mm |
| IFS 10K-3LM | 6 kg; 15 kg | 0,002 kg; 0,005 kg | 0,002 kg; 0,005 kg | 0,04 kg; 0,1 kg | 2 g | 75.000 | 400×300 mm |
| IFS 10K-3M | 6 kg; 15 kg | 0,002 kg; 0,005 kg | 0,002 kg; 0,005 kg | 0,04 kg; 0,1 kg | 2 g | 75.000 | 300×240 mm |
| IFS 30K-3M | 15 kg; 30 kg | 0,005 kg; 0,01 kg | 0,005 kg; 0,01 kg | 0,1 kg; 0,2 kg | 5 g | 60.000 | 400×300 mm |
| IFS 60K-2LM | 30 kg; 60 kg | 0,01 kg; 0,02 kg | 0,01 kg; 0,02 kg | 0,2 kg; 0,4 kg | 10 g | 60.000 | 500×400 mm |
| IFS 60K-2M | 30 kg; 60 kg | 0,01 kg; 0,02 kg | 0,01 kg; 0,02 kg | 0,2 kg; 0,4 kg | 10 g | 60.000 | 400×300 mm |
| IFS 100K-2LM | 60 kg; 150 kg | 0,02 kg; 0,05 kg | 0,02 kg; 0,05 kg | 0,4 kg; 1 kg | 25 g | 60.000 | 650×500 mm |
| IFS 100K-2M | 60 kg; 150 kg | 0,02 kg; 0,05 kg | 0,02 kg; 0,05 kg | 0,4 kg; 1 kg | 25 g | 60.000 | 500×400 mm |

## ACCESSORIES

| Model | Description |
|---|---|
| AFH 13 | Converter RS232 to USB AFH 13 |
| CFS-A01 | RS232 interface cable CFS-A01 |

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| Model | Description |
|---|---|
| CFS-A03 | Signal lamp KERN CFS-A03 |
| CFS-A04 | RS-232 Y-interface cable CFS-A04 |
| IFB-A01 | Stand IFB-A01, Height of stand approx. 330 mm |
| IFB-A02 | Tripod IFB-A02, Height of stand approx. 600 mm |
| KFB-A01 | Rechargeable battery pack KFB-A01 (Pb, 6 V, 1.2 Ah) |
| KFB-A02 | Protective working cover KFB-A02 |
| PFB-A02 | Power adapter PFB-A02 (12 V, 500 mA \| 100 V - 240 V, 50 / 60 Hz \| EURO, CH) |
| PFB-A03 | Power adapter PFB-A03 (12 V, 500 mA \| 100 V - 240 V, 50 / 60 Hz \| UK) |
| PFB-A04 | Power adapter PFB-A04 (12 V, 500 mA \| 100 V - 240 V \| US) |
| PFB-A05 | Power adapter PFB-A05 (9 V, 800 mA \| 100 V - 240 V AC, 50 / 60 Hz \| AUS) |
| YGR-01 | ESD grounding plug incl. grounding cable YGR-01 |
| YKH-01 | Thermal printer YKH-01 |
| YKI-10 | RS232-Ethernet adapter YKI-10 (RS-232 standard, Ethernet, RS-485) |
| YKI-11 | RS232-Ethernet adapter YKI-11 (Ethernet, RS-232 standard - 2x) |
| YKI-12 | RS232-WiFi adapter YKI-12 |
| YKT-01 | Needle printer YKT-01 |
| YRO-03 | roller conveyor YRO-03 |

## 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) |

## SERVICES

| Model | Description |
|---|---|
| 961-249 | Adjustment at the location of installation 961-249 (Not in combination with verification) |
| 963-129 | DAkkS calibration certificate 963-129 |
| 965-229 | Verification / Conformity assessment according to NAWI (2014/31/EU) 965-229 |
| 965-403 | Cable extension 965-403 (< 4 m) |

| 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 |
|  | Memory: Device-internal memory capacity, e.g. for article data, measuring data, tare weights, PLU etc. |
|   | Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible |
|   | 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 |
|   | GLP/ISO protocol: The measuring device generates a GLP-compliant printout |
|  | Value & time: The measuring device displays the value, date, and time, regardless of the connected printer |
|  | Piece counting: Reference quantities selectable. Display can be switched from piece to weight |
|  | Sum function: The weight values of weighed items can be added together and the total printed out |
|  | 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 |
|   | Accredited calibration (DKD): The duration of the accredited calibration is 3 working days |
|  | Rechargeable battery pack: Rechargeable set |
|   | Conformity assessment: The duration of the conformity assessment is 3 working days |