PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

30.10.2026

KERN IFS 10K-3LM

Industrial counting scale with convenient decimal keypad for easy data entry, counting resolution 75.000 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 400×300×120 mm
- 260×150×65 mm
- Cable length of display device approx. 3 m
- Net weight approx. 7 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



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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

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
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

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
961-248	Adjustment at the location of installation 961-248 (Not in combination with verification)
963-128	DAkkS calibration certificate 963-128
965-228	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-228
965-403	Cable extension 965-403 (< 4 m)
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517

Model	Description
970-101	Warranty extension (+2 years) 970-101

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

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