PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

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KERN IFS 100K-3L

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

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. 20 kg
- Permissible ambient temperature 0 °C/40 °C

MAIN SCOPE OF APPLICATIONS

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

PICTOGRAMS

Standard



Option



Factory



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Smallest part weight (Normal)	Counting resolution Points	Dimensions weighing surface
IFS 10K-4	6 kg; 15 kg	0,0001 kg; 0,0002 kg	2 g	75.000	300×240 mm
IFS 30K0.2DL	12 kg; 30 kg	0,0002 kg; 0,0005 kg	5 g	60.000	400×300 mm
IFS 60K0.5D	30 kg; 60 kg	0,0005 kg; 0,001 kg	10 g	60.000	400×300 mm
IFS 60K0.5DL	30 kg; 60 kg	0,0005 kg; 0,001 kg	10 g	60.000	500×400 mm
IFS 100K-3	75 kg; 150 kg	0,001 kg; 0,002 kg	25 g	60.000	500×400 mm
IFS 100K-3L	75 kg; 150 kg	0,001 kg; 0,002 kg	25 g	60.000	650×500 mm
IFS 300K-3	150 kg; 300 kg	0,002 kg; 0,005 kg	50 g	60.000	650×500 mm

ACCESSORIES

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

Model	Description
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
963-129	DAkkS calibration certificate 963-129
969-517	Confirmation of the manufacturer’s specification (only in combination with DAkkS calibration certificate)969-517
970-106	Warranty extension (+2 years) 970-106

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

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