PROFESSIONAL MEASURING
SINCE 1844

KERN

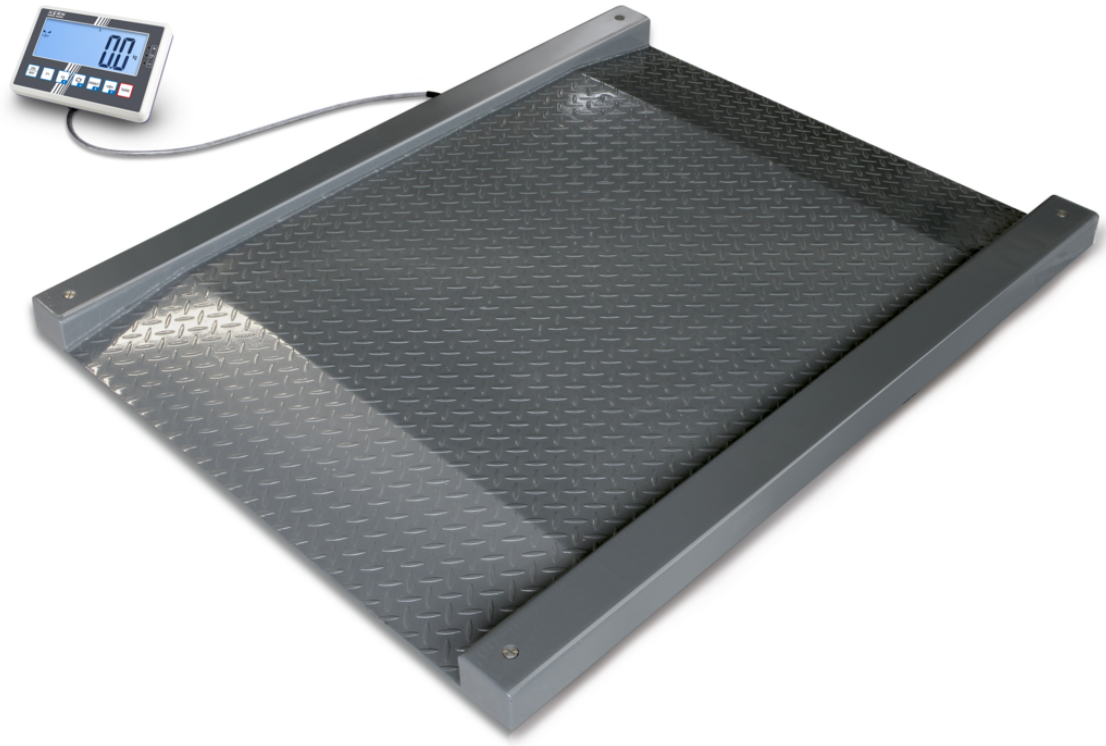
Product brochure

31.10.2026

KERN NFC 600K-1LM

Networkable drive-through scale (IP67), verification optional

ENGLISH



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FEATURES

- Drive-through scale for rapid weighing of e.g. wire cage trolleys, shelf trolleys, transpallets, mobile containers, containers refuse etc.
- Weighing bridge: out of anti-slip corrugated steel, 4 silicone-coated steel load cells, IP67 dust and spray protection
- Display device: for details see KERN KERN KFC-TM
- IoT line: networkable balances with user-friendly concept of operation
- Industry 4.0: Data and control commands can be exchanged through the KERN Universal Port KUP) using one interface, which can be connected to the housing, or through three parallel interfaces using the KUP Extension box, for details see KERN KFC-TM
- With Real Time Clock as standard: Enables you to log the weighing results with accurate time information. Even if the power supply is interrupted, the balance can continue to work with the correct time
- Protective working cover included with delivery

TECHNICAL DATA

- Large backlit LCD display, digit height 48 mm
- Dimensions of display device W×D×H 220×150×66,5 mm
- Cable length of display device approx. 5 m
- Dimensions weighing surface, steel, powder-coated, W×D 1200×1200 mm
- Overall dimensions W×D×H 1800×1420×95 mm
- Permissible ambient temperature -10 °C/40 °C
- Net weight approx. 165 kg

MAIN SCOPE OF APPLICATIONS

- Warehouse logistics
- Digital processes
- Pallet weighing

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
- For verified scales the weighing bridge should be fixed to the floor. Optionally, with an access ramp, a footplate pair or a pit frame
- It is essential that a verified balance which transfers measurements to external devices using an interface, has an alibi memory YMM-04. It is not possible to upgrade later.

PICTOGRAMS

Standard



Option



Factory



MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Minimal load [Min]	Dimensions weighing surface	Net weight approx.
NFC 600K-1LM	600 kg	0,2 kg	0,2 kg	4 kg	1200×1200 mm	165 kg
NFC 600K-1M	600 kg	0,2 kg	0,2 kg	4 kg	1000×1000 mm	130 kg
NFC 1.5T-4LM	1500 kg	0,5 kg	0,5 kg	10 kg	1200×1200 mm	165 kg
NFC 1.5T-4M	1500 kg	0,5 kg	0,5 kg	10 kg	1000×1000 mm	130 kg

ACCESSORIES

Model	Description
BFB-A03	Cable BFB-A03, Cable length approx. 15 m
BFS-A06N	Pair of base plates BFS-A06N
BFS-A07	Tripod BFS-A07, Height of stand approx. 1040 mm
CFS-A03	Signal lamp KERN CFS-A03
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-08	Analogue module interface adapter KUP-08
KUP-13	Extension box KUP-13
YBA-A18	Protective working cover YBA-A18
YBA-A18S05	Protective working cover YBA-A18S05, scope of delivery: 5 items
YKA-27	Power adapter YKA-27 (5,9V, 1A | 100 V - 240 V, 50 / 60 Hz | EURO, UK, US, CH)

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Model	Description
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
YMM-04	Alibi memory option YMM-04

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

Model	Description
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
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

Model	Description
SET-411	Software KERN EasyTouch SET-411 Hotkeys

SERVICES

Model	Description
961-250	Adjustment at the location of installation 961-250 (Not in combination with verification)
963-130	DAkkS calibration certificate 963-130
965-230	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-230
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-110	Warranty extension (+2 years) 970-110

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
	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
	Percentage determination: determining the deviation in % from the target value (100 %)
	Units can be switched to e.g. non-metric units
	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
	Hold function: When the weighing conditions are unstable, a stable weight is calculated as an average value
	Platform: Protection against dust and water splashes IP67
	Load Cell: Protection against dust and water splashes IP67
	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
	Pallet shipment: The duration of internal product provision are three days
	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 WiFi: For data transfer to printers, PCs or other peripheral devices
	Data interface Bluetooth: For connection to printers, PCs or other peripheral devices
	Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements

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	Network interface: For connecting the measuring device to an Ethernet network
	Rechargeable battery pack: Rechargeable set
DAkkS	Accredited calibration (DKD): The duration of the accredited calibration is 3 working days
	Alibi memory: Secure, electronic archiving of measuring results, complying with the 2014/31/EU standard
M	Conformity assessment: The duration of the conformity assessment is 3 working days