KERN

PRODUCT BROCHURE

KERN
KDP 10K-3-2024a

Date: 07.03.2026

ENGLISH



Universal weighing platforms for flexible connection in process chains

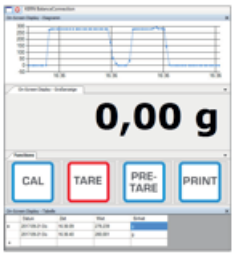
CONTACT

KERN & SOHN GmbH
Ziegelei 1
72336 Balingen
Germany

Phone : +49 7433 9933-0
Fax : +49 7433 9933-149
Email : info@kern-sohn.com
Web : www.kern-sohn.com

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PRODUCT SHOWCASE





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DESCRIPTION

- Industry 4.0 process chains: these weighing platforms can be easily integrated into your process chain. All recorded values can be easily transferred and processed further in your system as digital data and data that has already been compared using the many interfaces available. This saves cost, time and resources and ensures even more effective working
- Connecting the platform with a tablet or PC offers the advantage of being able to use the apps and programs which are on that device. These apps and programs are usually already tailored to your needs, are easy and convenient to use and can often be expanded as needed. This offers you the maximum level of flexibility when displaying, processing and saving the recorded weighing data
- Searching and remote control of the balance using external control devices or computers with the KERN Communication Protocol (KCP). KCP is a standardised interface command structure for KERN balances and other instruments which allows you to recall and manage all relevant parameters and device functions. You can therefore simply connect KERN devices with KCP to computers, industrial control systems and other digital systems. In a large number of cases the KCP is compatible with the MT-SICS protocol
- PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels
- A practical status LED informs about the active power supply
- Software BalanceConnection for adjusting and managing the KERN KDP, for large-format display of the values collected on the PC as well as transfer of this data to other Apps and programs included with the delivery

SPECIFICATIONS

Article codes, product groups & Status

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information

Model article-code	KDP 10K-3-2024a
Model-Serie	KDP
Assortment	KERN
Product Type	Industrial scales
Product group	Digital weighing systems
Product usage type	Spare part;Main article;Accessories/DL
EAN code (Model)	4045761232327
Successor Model	KDP 10K-3; KDP 10K-3-????e
Customs tariff number	84239010
CE Label	yes
Country of Origin	CN
Product line	EF20

Technical data - Primary

Weighing capacity	10 kg
Readability	1 g
Indicator cable length	1.5 m
Net weight	1.35 kg
Dimension weighing platform (W×D×H)	165×165×73 mm

Technical data - Construction

Material weighing plate	stainless steel
Bubble Level	yes
Revolving screw feet	yes
Weighing surface (d)	160×160 mm
Dimensions of weighing plate (W×D)	160×160 mm
Indicator cable length	1.5 m
Dimensions weighing platform	165×165×73 mm
Dimensions display casing (W×D×H)	0×0×0 mm
Material casing	plastic
Dimension completely mounted (W×D×H)	165×166×75 mm
IP protection indicator	no IP protection
IP protection load cell	no IP protection

Technical data - Power supply

Mains adapter/adapter included	CH;EURO;UK;US
Input Voltage	100 V - 240 V, 50 / 60 Hz

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 3 g
Readability	1 g
Recommended adjusting weight	10 kg (M1)
Repeatability	1 g
Warm up time	30 min

Technical data - Environmental conditions

Maximum humidity	80 %

Maximum operating temperature	35 °C
Minimum ambient temperature	5 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	250×355×160 mm
Gross weight	2.2 kg
Net weight	1.4 kg
Shipping method	Parcel service
Packaging component - by weight - paper	0 g
Packaging component - by weight - plastics	0 g
Packaging component - by weight - styrofoam	0 g
Packaging component - by weight - glass	0 g
Packaging component - by weight - wood	0 g
Packaging component - by weight - foam	0 g
Packaging component - by weight - metal	0 g
Delivery time	1 d

Optional Services

DAkkS Calibration	963-128

FUNCTIONS

Standard

Option

Factory

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ACCESSORIES

Model	Description
YMI-A01	Data Interface KERN YMI-A01
KDP-A03	Bluetooth module KDP-A03
346-77	Test Weight KERN 346-77
KDP-A02	Interface module KERN KDP-A02

SERVICES

Model	Description
963-128	DAkkS Calibration KERN 963-128
961-248	Adjustment at the location of installation 961-248
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517

SPARE PARTS

Model	Description
RPCD-8002	Adjustable base foot RPCD-8002
RPCD-6002	Weighing plate KERN RPCD-6002
RPCD-8006	Level bubble RPCD-8006
R440-000-13-001	DC socket R440-000-13-001
RPCD-8015	Battery compartment cover KERN RPCD-8015

SOFTWARES

Model	Description
SCD-4.0-DL	BalanceConnection Standard KERN SCD-4.0-DL
SCD-4.0-PRO-DL	Software KERN BalanceConnection SCD-4.0-PRO-DL
SET-17	KERN EasyTouch SET-17 PrePack
SET-01	KERN EasyTouch SET-01 Base
SET-21	KERN EasyTouch SET-21 Formulation
SET-22	KERN EasyTouch SET-22 Difference
SET-31	KERN EasyTouch SET-31 Tolerance
SET-32	KERN EasyTouch SET-32 Count

Model	Description
SET-33	KERN EasyTouch SET-33 Target Count
SET-04	KERN EasyTouch SET-04 Density
SET-05	KERN EasyTouch SET-05 Dynamic
SET-06	KERN EasyTouch SET-06 Classification
SET-07	KERN EasyTouch SET-07 Variable
SET-08	KERN EasyTouch SET-08 Take-out
SET-10	KERN EasyTouch SET-10 Save Server
SET-11	KERN EasyTouch SET-11 Safety
SET-16	KERN EasyTouch SET-16 Batch and Statistics
SET-14	KERN EasyTouch SET-14 Individual Print
SET-28	KERN EasyTouch SET-28 Customization Service
SET-35	KERN EasyTouch SET-35 Assembly Count
SET-18	KERN EasyTouch SET-18 Container Master
SET-46	KERN EasyTouch SET-46 Backup Scheduler
SET-51	KERN EasyTouch SET-51 Audit Logs
SET-411	KERN EasyTouch SET-411 Hotkeys
SET-52	KERN EasyTouch SET-52 Inventory
SCD-4.0-PRO-DL-AS05	Software KERN BalanceConnection SCD-4.0-PRO-DL-AS05
SCD-4.0-DLS05	BalanceConnection Standard KERN SCD-4.0-DLS05

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Indicator cable length	Net weight	Dimension weighing platform (W×D×H)
KDP 300-3-2024a	350 g	1 mg	1.5 m	1.04 kg	165×165×73 mm
KDP 10K-3-2024a	10 kg	1 g	1.5 m	1.35 kg	165×165×73 mm
KDP 10K-4	10 kg	100 mg	1.5 m	1.349 kg	165×165×73 mm
KDP 3000-2	3.5 kg	10 mg	1.5 m	1.588 kg	165×165×73 mm
KDP 300-3	350 g	1 mg	1.5 m	1.04 kg	165×165×73 mm