

PRODUCT BROCHURE

KERN KGP 100K-3

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ENGLISH



Robust industrial platform scale with digital weighing transmitter, ideal for varied range of applications for Industry 4.0

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PRODUCT SHOWCASE



DESCRIPTION

- With this combination of platform (KERN KFP V20 IP65) and digital weighing transmitter (KERN YKV-01) your weighing processes are ready for the requirements of Industry 4.0. Simply install the platform, connect the digital weighing transmitter to the network and start weighing
- For rapid transfer of weighing data to connected networks, computers, etc.
- USB and RS-232 data interface standard, Power supply via USB interface
- Transfer formats are freely configurable
- Digital weighing transmitter with standard ethernet data interface on request
- Functions: Weighing, taring
- Internal resolution 16 million divisions
- Measuring frequency 10 Hz
- Easy configuration using the software supplied
- KERN YKV-01: Robust plastic die-cast housing
- KERN YKV-01: Suitable for wall mounting and DIN track mount (optional)
- included with the delivery:

- Industrial platform KERN KFP
- Digital weighing transmitter KERN YKV-01
- DIN rail mounting bracket for KERN YKV
- Configuration software for adjusting and managing the KERN KGP, for large-format display of the values collected on the PC as well as transfer of this data to other Apps and programs. The displayed result can therefore be converted to any format for communication with the different user programs, such as, for example, e.g. SAP, Oracle etc.

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	KGP 100K-3
Model-Serie	KGP
Assortment	KERN
Product Type	Industrial scales
Product group	Digital weighing systems
Product usage type	Main article
EAN code (Model)	404576 12 17966
Customs tariff number	84238220
CE Label	yes

Technical data - Primary

Weighing capacity	150 kg
Readability	0.005 kg
Indicator cable length	3 m
Net weight	13.1 kg
Dimension weighing platform (W×D×H)	500×400×127 mm

Technical data - Construction

Material weighing plate	stainless steel
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Bubble Level	yes
Revolving screw feet	yes
Weighing surface (d)	500×400 mm
Dimensions of weighing plate (W×D)	500×400 mm
Indicator cable length	3 m
Dimensions weighing platform	500×400×127 mm
Dimensions display casing (W×D×H)	250×160×58 mm
Wall mount	yes
Material casing	plastic
IP protection indicator	no IP protection
IP protection load cell	IP65

Technical data - Display

Display height	52 mm
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Technical data - Power supply

Battery	no battery
Mains adapter/adaptor included	EURO;UK;US
Input Voltage	100 V - 240 V, 50 / 60 Hz

Technical data - Measuring system

Calibration method	Adjusting with external weight
Linearity	± 0.02 kg
Readability	0.005 kg
Recommended adjusting weight	150 kg (F2)
Repeatability	0.005 kg
Warm up time	120 min
Weighing units	g;kg;t
Number of weighing ranges	1
load cell connection	6-Leiter

Technical data - Environmental conditions

Maximum humidity	80 %
Maximum operating temperature	40 °C
Minimum ambient temperature	-10 °C
Minimum humidity	0 %

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	555×930×215 mm
Gross weight	15 kg
Net weight	14 kg
Shipping method	Parcel service
Packaging component - by weight - paper	100 g
Packaging component - by weight - cardboard	750 g

Packaging component - by weight - plastics 750 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 963-129

FUNCTIONS

Standard



Option



Factory



ACCESSORIES

Model	Description
YRO-02	Roller Conveyor KERN YRO-02
YKA-31	Power supply KERN YKA-31
YKV-A01	WiFi module YKV-A01
YKV-A02	Bluetooth Set KERN YKV-A02
YKV-A03	Bracket KERN YKV-A03
572-926	Interface cable 572-926

SERVICES

Model	Description
963-129	DAkkS Calibration KERN 963-129
961-249	Adjustment at the location of installation 961-249
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-101	Warranty extension KERN (+2 years) 970-101

SPARE PARTS

Model	Description
RKFPV20-6004	Weighing plate KERN RKFPV20-6004
RKFP-1303	Load cell KERN RKFP-1303
RKFP-8001	Adjustable base foot RKFP-8001
RKFP-8007	Rubber shock absorber RKFP-8007
RKFP-8009	Rubber shock absorber RKFP-8009
YKA-31	Power supply KERN YKA-31
KFP 150V20M	Platform KERN KFP 150V20M

SOFTWARES

Model	Description
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

Model	Description
SET-32	KERN EasyTouch SET-32 Count
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

RELATED ARTICLES DATA

Model name	Weighing capacity	Readability	Indicator cable length	Net weight	Dimension weighing platform (W×D×H)
KGP 6K-4	6 kg	0.0002 kg	3 m	5.2 kg	230×230×106 mm
KGP 6K-4L	6 kg	0.0002 kg	3 m	9.8 kg	300×240×109 mm
KGP 10K-4	15 kg	0.0005 kg	3 m	5.2 kg	300×240×109 mm
KGP 10K-4L	15 kg	0.0005 kg	3 m	9.8 kg	400×300×117 mm
KGP 30K-3	30 kg	0.001 kg	3 m	5.2 kg	300×240×109 mm
KGP 30K-3L	30 kg	0.001 kg	3 m	9.8 kg	400×300×117 mm
KGP 60K-3	60 kg	0.002 kg	3 m	9.8 kg	400×300×117 mm

Model name	Weighing capacity	Readability	Indicator cable length	Net weight	Dimension weighing platform (W×D×H)
KGP 60K-3L	60 kg	0.002 kg	3 m	13.1 kg	500×400×127 mm
KGP 100K-3	150 kg	0.005 kg	3 m	13.1 kg	500×400×127 mm
KGP 100K-3L	150 kg	0.005 kg	3 m	20.75 kg	650×500×139 mm
KGP 300K-2L	300 kg	0.01 kg	3 m	20.75 kg	650×500×139 mm