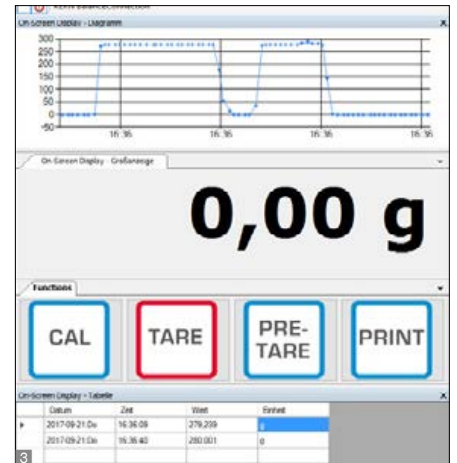


## Industrial platform scale with digital weighing transmitter KERN KGP



Sim. to illustration



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

### Features

- 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.

### Technical Data

- Weighing plate material: stainless steel
- KERN YKV-01: Overall dimensions W×D×H 100×140×36 mm
- Permissible ambient temperature -10 °C/ 40 °C

### Accessories

- Bluetooth data interface, KERN YKV-A02
- WiFi interface, KERN YKV-A01
- Ethernet data interface on request
- Software BalanceConnection, for flexible recording or transmission of measured values, in particular also to Microsoft® Excel or Access as well as transfer of this data to other Apps and programs, For more details see the internet, Scope of supplies: 1 CD, 1 license, KERN SCD-4.0

#### STANDARD



#### OPTION



#### FACTORY



Model	Weighing capacity		Read-out	Weighing plate W×D×H	Cable length approx.	Net weight approx.	Options DAKkS Calibr. Certificate DAKkS KERN
	[Max] kg	[d] g					
KERN KGP 6K-4	6	0,2		230×230×120	2,5	6	963-128
KERN KGP 6K-4L	6	0,2		300×240×128	2,5	10	963-128
KERN KGP 10K-4	15	0,5		300×240×120	2,5	6	963-128
KERN KGP 10K-4L	15	0,5		400×300×128	2,5	10	963-128
KERN KGP 30K-3	30	1		300×240×120	2,5	6	963-128
KERN KGP 30K-3L	30	1		400×300×128	2,5	10	963-128
KERN KGP 60K-3	60	2		400×300×128	2,5	10	963-129
KERN KGP 60K-3L	60	2		500×400×137	2,5	14	963-129
KERN KGP 100K-3	150	5		500×400×137	2,5	14	963-129
KERN KGP 100K-3L	150	5		650×500×142	2,5	22	963-129
KERN KGP 300K-2L	300	10		650×500×142	2,5	22	963-129

- 
**Internal adjusting:**  
 Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)
- 
**Adjusting program CAL:**  
 For quick setting up of the balance's accuracy. External adjusting weight required
- 
**Easy Touch:**  
 Suitable for the connection, data transmission and control through PC or tablet.
- 
**Memory:**  
 Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.
- 
**Alibi memory:**  
 Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.
- 
**KERN Universal Port (KUP):**  
 allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WLAN, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort
- 
**Data interface RS-232:**  
 To connect the balance to a printer, PC or network
- 
**RS-485 data interface:**  
 To connect the balance to a printer, PC or other peripherals. Suitable for data transfer over large distances. Network in bus topology is possible
- 
**USB data interface:**  
 To connect the balance to a printer, PC or other peripherals
- 
**Bluetooth\* data interface:**  
 To transfer data from the balance to a printer, PC or other peripherals
- 
**WiFi data interface:**  
 To transfer data from the balance to a printer, PC or other peripherals
- 
**Control outputs (optocoupler, digital I/O):**  
 To connect relays, signal lamps, valves, etc.
- 
**Analogue interface:**  
 to connect a suitable peripheral device for analogue processing of the measurements
- 
**Interface for second balance:**  
 For direct connection of a second balance
- 
**Network interface:**  
 For connecting the scale to an Ethernet network
- 
**KERN Communication Protocol (KCP):**  
 It is 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 log:**  
 The balance displays weight, date and time, independent of a printer connection
- 
**GLP/ISO log:**  
 With weight, date and time. Only with KERN printers.
- 
**Piece counting:**  
 Reference quantities selectable. Display can be switched from piece to weight
- 
**Recipe level A:**  
 The weights of the recipe ingredients can be added together and the total weight of the recipe can be printed out
- 
**Recipe level B:**  
 Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display
- 
**Totalising level A:**  
 The weights of similar items can be added together and the total can be printed out
- 
**Percentage determination:**  
 Determining the deviation in % from the target value (100 %)
- 
**Weighing units:**  
 Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details
- 
**Weighing with tolerance range:**  
 (Checkweighing) Upper and lower limiting can be programmed individually, e.g. for sorting and dosing. The process is supported by an audible or visual signal, see the relevant model
- 
**Hold function:**  
 (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value
- 
**Protection against dust and water splashes IPxx:**  
 The type of protection is shown in the pictogram.
- 
**Suspended weighing:**  
 Load support with hook on the underside of the balance
- 
**Battery operation:**  
 Ready for battery operation. The battery type is specified for each device
- 
**Rechargeable battery pack:**  
 Rechargeable set
- 
**Universal plug-in power supply:**  
 with universal input and optional input socket adapters for  
 A) EU, CH, GB  
 B) EU, CH, GB, USA  
 C) EU, CH, GB, USA, AUS
- 
**Plug-in power supply:**  
 230V/50Hz in standard version for EU, CH. On request GB, USA or AUS version available
- 
**Integrated power supply unit:**  
 Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
- 
**Weighing principle: Strain gauges**  
 Electrical resistor on an elastic deforming body
- 
**Weighing principle: Tuning fork**  
 A resonating body is electromagnetically excited, causing it to oscillate
- 
**Weighing principle: Electromagnetic force compensation**  
 Coil inside a permanent magnet. For the most accurate weighings
- 
**Weighing principle: Single cell technology:**  
 Advanced version of the force compensation principle with the highest level of precision
- 
**Verification possible:**  
 The time required for verification is specified in the pictogram
- 
**DAkkS calibration possible (DKD):**  
 The time required for DAkkS calibration is shown in days in the pictogram
- 
**Factory calibration (ISO):**  
 The time required for Factory calibration is shown in days in the pictogram
- 
**Package shipment:**  
 The time required for internal shipping preparations is shown in days in the pictogram
- 
**Pallet shipment:**  
 The time required for internal shipping preparations is shown in days in the pictogram

\*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by KERN & SOHN GmbH is under license. Other trademarks and trade names are those of their respective owners.