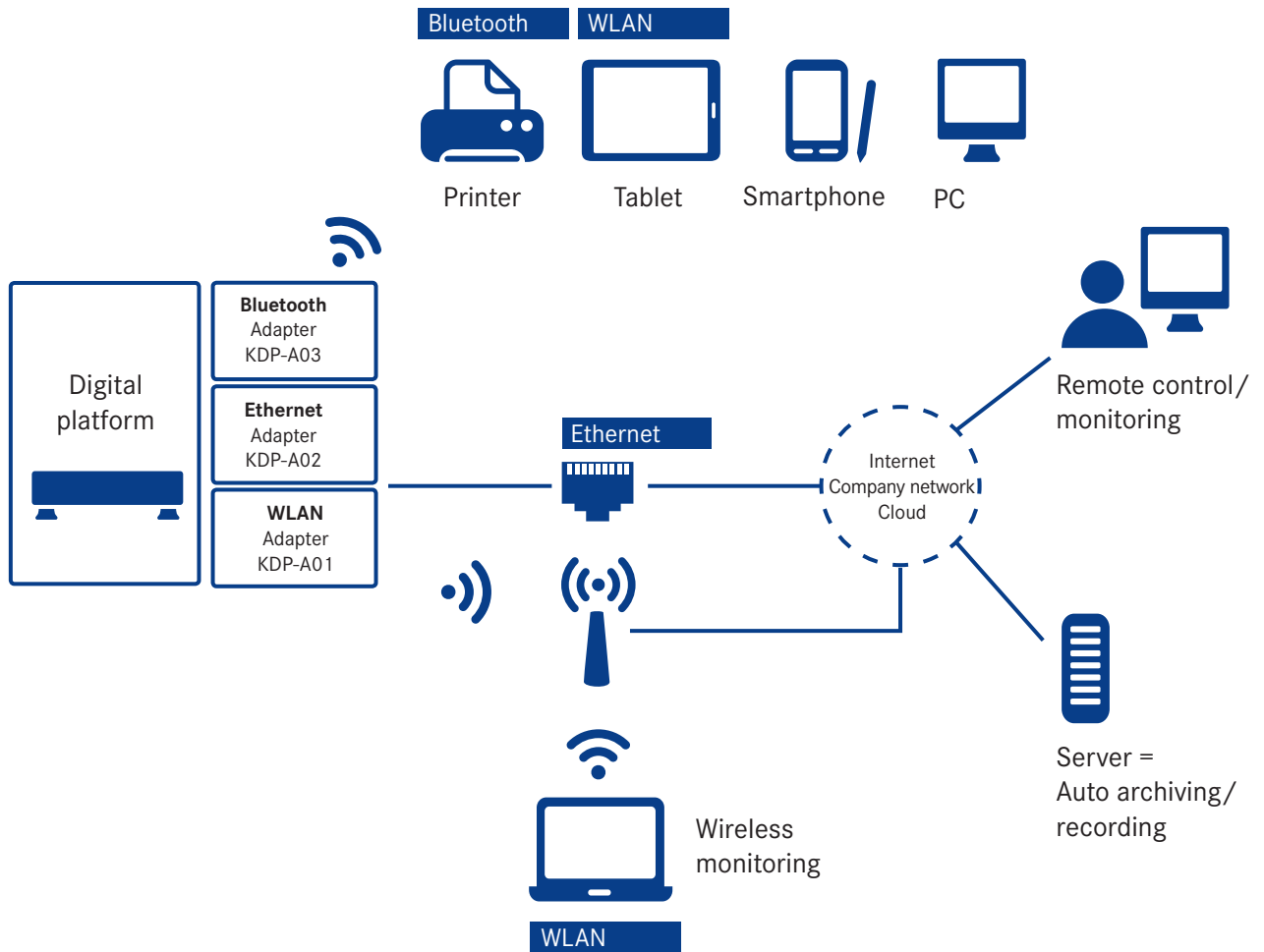


System solutions Industry 4.0



We will help to combine industrial production with the latest information and communication technology, with the aim of improving quality, reducing costs and using time and resources more efficiently so that you are able to react to future requirements in a more flexible manner. You will benefit from our uniform data protocol combined with our BalanceConnection 4.0 data software, for details please see page 156.

The KERN team in our centre of expertise – Industry 4.0



Daniel Egeler



Edgar Litti



Markus Reinke



Max Matthes



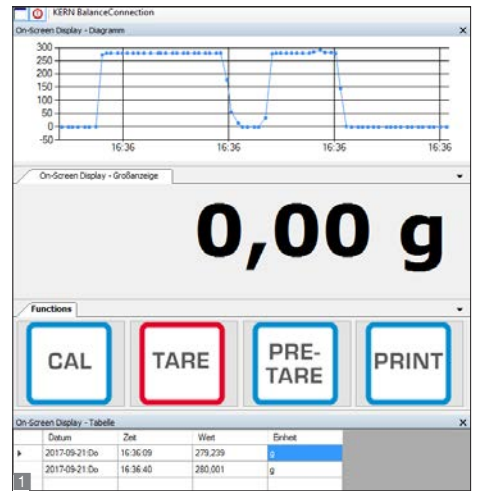
Stefan Rothmund

► We would like to inform you and advise you

Tel. +49 [0] 7433 9933-200

ITsupport@kern-sohn.com

NEW



Universal weighing platforms for flexible connection into process chains

Features

- Industry 4.0: 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 balance 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 (Standard Interface Command Set). 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.

- **PRE-TARE function** for manual subtraction of a known container weight, useful for checking fill-levels
- **Freely programmable weighing unit**, e.g. display direct in special units such as length of thread g/m, paper weight g/m², or similar
- **Level indicator and levelling feet** for precise levelling of the scale, fitted as standard, to give the most accurate weighing result
- **Draught shield** standard for models with weighing plate size **A**, weighing space W×D×H 146×146×80 mm
- Included with delivery: **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

Technical data

- Dimensions weighing surface
 - A** Ø 105 mm
 - B** B×T 160×160 mm
- Weighing plate material
 - A** plastic, with conductive lacquer
 - B** stainless steel
- Overall dimensions W×D×H 165×166×75 mm (without draught shield)
- Cable length approx. 1,2 m
- Net weight approx. 1,2 kg
- Permissible ambient temperature 5 °C/35 °C

STANDARD



OPTION



FACTORY



Model	Weighing range [Max] g	Read-out [d] g	Reproducibility g	Linearity g	Weighing plate mm	Price excl. of VAT ex works €	Options	
							DAkkS Calibr. Certificate	€
KERN							DKD KERN	
KDP 300-3	350	0,001	0,002	± 0,005	A	390,-	963-127	72,-
KDP 3000-2	3500	0,01	0,02	± 0,05	B	390,-	963-127	72,-
KDP 10K-4	10000	0,1	0,1	± 0,3	B	390,-	963-128	88,-
KDP 10K-3	10000	1	1	± 3	B	390,-	963-128	88,-



”

For us here at KERN, “Industry 4.0” offers great opportunities. It facilitates greater networking of products and machines, thereby increasing efficiency, reducing costs and saving valuable resources at the same time. You can also benefit from our weighing systems and components which have been optimised to meet the requirements of Industry 4.0. Intelligent monitoring of the recorded weights ensures transparent processes, helps to minimise error rates and costs and increase efficiency. Thanks to modern IT solutions and weighing systems, which, in contrast to previous systems can now be programmed to meet new requirements separately and without laborious programming, it is possible to react to individual customer requirements immediately. Boost this bonus in revenue potential, come and talk to us, we will be happy to help you.

“

Otto Grunenberg, Head of Technical Department & Test Services