KERN Premium Line

Integratable (IoT-ready) balances with high-end performance

The capacity to integrate – the answer to the digitization requirements of today and in the future

→ Our KERN Premium Line models ensure that you are future-proofed, right now. Thanks to the built-in WiFi interface (factory option for KERN MBA), these models can be integrated into existing or future EMR and EHR systems and thus into the hospital networks.

→ The KERN Universal Port (KUP) enables greater flexibility and individualisation in terms of interfaces such as, for example RS-232, USB, Bluetooth or Ethernet – available for all KERN Premium Line models, without any installation outlay.*

→ No manual data transfer thanks to the alibi memory as a factory option: Storing through the print key or remote control command: Date, time, alibi ID, weight (net, gross, tare). The data can be recalled through remote control commands or exported to Excel. Documentation or transfer errors are therefore eliminated and processes are accelerated.*

→ A standardised concept of operation simplifies handling different products, as the menu structure is the same across all models.*

→ Thanks to the standard power supply, optional rechargeable battery pack (except for KERN MBA) or battery option, the user is not tied to a particular location.

→ Rechargeable battery or batteries can be easily inserted into the optimised battery compartment on the side of the terminal.*

With KERN you are ready for the future of weighing in the Internet of Things. Get IOT ready – with the Premium Line models. Discover these products on the following pages.

Note: All KERN Premium Line models in this catalogue are marked with the IOT-ready symbol.

KERN MPN

* the KERN MBA is not included

The very best networking options in hospitals and care institutions with the IOT-ready models in the KERN Premium Line

! Tip

Software KERN Balance Connection SCD-4.0 Pro*: Enables the connection of medical balances to practice EDP systems using the device data transfer protocol (GDT) and also the HL7 protocol

*not compatible with bluetooth interface adapter KUP-06

- Scope of supplies: 1 CD, 1 License
  KERN SCD-4.0-PRO
- Scope of supplies: 1 CD, 5 Licenses,
  KERN SCD-4.0-PROS05
- Scope of supplies: Download link for1 License,
  KERN SCD-4.0-PRO-DL

Do you have any questions? The team from our Industry 4.0 centre of expertise will be happy to help:
E-Mail: ITsupport@kern-sohn.com

Compact baby scale with special Safe-Guard tray and approval for professional mobile or stationary medical use in medical diagnostics, verification optional

Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Modern design
- ▲ Safe-Guard tray: the special, particularly recessed tray with raised side bolsters offers optimum conditions for the safe weighing of babies
- Large, insensitive plastic tray, without corners and edges, therefore particularly hygienic and easy to clean
- Lightweight, compact design, therefore easy to transport and store
- Secure and non-slip positioning with height-adjustable rubber feet
- Easy to use
- Hold function: While weighing patients that are unable to lie still, a mean average weight value is determined. This allows for sufficient time to attend to the young patient, and then get a weight reading
- Integrated AUTO-OFF function to preserve the batteries

Technical data

- LCD display, digit height 25 mm
- Dimensions of tray W×D 600×260 mm
- Overall dimensions W×D×H 600×360×141 mm
- Batteries included, 6×1.5 V AA, operating time up to 20 h (up to 50 h without using WiFi)
- Net weight approx. 4,6 kg

Accessories

- ▲ Mechanical height rod to fix to the scale, measuring range 30 cm–80 cm, increments of 0,1 cm, KERN MBA-A01
- WiFi data interface to transfer data from balances to PC or tablet, must be ordered at purchase, KERN YMI-A01
- Cleaning cloths, alcohol-free cloths for disinfectant wiping, quick acting, based on modern quaternary ammonium compounds and effective against papova viruses. Particularly gentle on materials, and very well suited for disinfecting products which are sensitive to alcohol. Fulfill the legal requirements for occupational safety in accordance with TRGS 525/540. Packaging contents 100 pcs., size 20×22 cm per cloth, KERN MYC-01
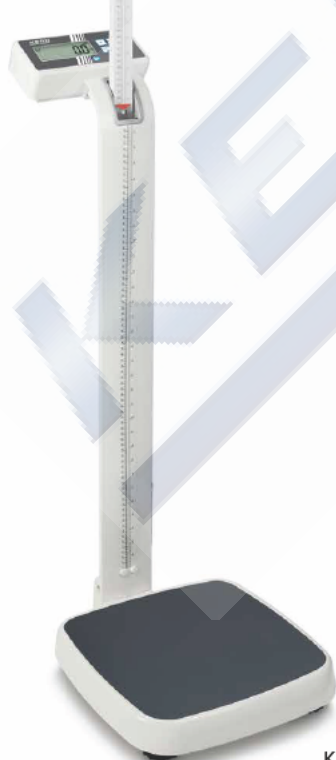- External mains adapter, 100 V - 240 V, Standard EU, CH, UK, KERN YKA-43

*Within the EU, official verification (conformity assessment according to NAWI 2014/31/EU) is mandatory by law for scales that are intended for use as a medical device. Please add this to your order. We require the location of use and the post code for the verification

STANDARD			OPTION	FACTORY			
KCP PROTOCOL	MOVE	BATT	1 DAY	230 V	WIFI	M +3 DAYS	CE 0297

Model	Weighing range	Readout	Verification value	Mandatory by law Verification
	[Max]	[d]	[e]	M KERN
KERN	kg	kg	kg	
MBA 10K-3M	15	0,005	0,005	965-128.

Integratable personal scales for wireless transfer of weighing data to EMR or EHR systems

KERN **MPN-H**

KERN **MPN-P**

Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Thanks to the integrated WiFi interface, this model is suited for wireless transfer of weights directly into the digital patient records. By doing this, any documentation or transfer errors which occur during manual data transfer are eliminated. Thanks to this technology, this model can be integrated into existing or future EMR and EHR systems and ensures that your investment is future-proofed right now
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- ❶ Practical second display on the back of the scale, which makes it easy for both the patient and the doctor or nursing staff to read the weight
- ❷ The MPN-HM model has an elegant height rod integrated into the column, which can be pulled out for use and has a sturdy plastic head rest and a measuring range from 89 - 205 cm
- ❸ Patients with a height below 80 cm can be measured using the measuring scale fitted on the column
- The ergonomically optimised shape and robust design mean that this range is ideal for daily use in a professional environment
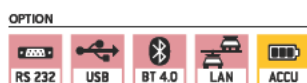
- Secure and non-slip positioning with height-adjustable rubber feet
- Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- Mother and child function: the parent's weight is measured, and the scale is reset to zero via the button. Subsequently, the parent and baby are weighed together. The weight of the child will then show on the display. This is particularly practical for weighing infants, who can remain cradled in the arms of a parent during the weighing process
- BMI function to determine underweight/normal weight/surplus weight
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- ❹ Battery- or mains-powered, rechargeable battery operation optional
- ❺ Easy to transport thanks to the two integrated transport wheels
- Protective working cover included with delivery

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H 365×360×80 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 12 kg

Accessories

- Internal rechargeable battery pack, operating time up to 48 h, charging time approx. 8 h, KERN YMR-01
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51
- External data interface RS-232, interface cable included, KERN KUP-01
- External data interface USB, interface cable included, KERN KUP-03
- External data interface Ethernet, KERN KUP-04
- Bluetooth interface adapter, KERN KUP-06
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13
- Memory module with real time clock (alibi memory), KERN YMM-03

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STANDARD							OPTION					FACTORY			
WIFI	GLP PRINTER	KUP	KCP PROTOCOL	MOVE	BATT	B MULTI	1 DAY	RS 232	USB	BT 4.0	LAN	ACCU	ALIBI	M +3 DAYS	CE 0297

Model	Weighing range	Readout	Verification value	Overall dimensions (with extracted height rod)	Mandatory by law Verification
KERN	[Max] kg	[d] kg	[e] kg	W×D×H mm	M KERN
MPN 200K-1PM	250	0,1	0,1	365×570×1030	965-129
MPN 200K-1HM	250	0,1	0,1	365×570×2134	965-129

Professional integratable personal scales for wireless transfer of weighing data to the EMR or EHR systems – also for overweight patients in the obese category

KERN **MPN-M**

KERN **MPN-LM**

Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Thanks to the integrated WiFi interface, this model is suited for wireless transfer of weights directly into the digital patient records. By doing this, any documentation or transfer errors which occur during manual data transfer are eliminated. Thanks to this technology, this model can be integrated into existing or future EMR and EHR systems and ensures that your investment is future-proofed right now
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- KERN MPN 300K-1LM: Version with [Max] = 300 kg and larger weighing plate. Specially suitable for weighing overweight patients who are in the obese category
- Ideally suited for hospitals, clinics and doctors' surgeries
- Robust design for daily use in a professional environment
- Easy and hygienic cleaning
- Secure and non-slip positioning with height-adjustable rubber feet

- ❶ Level indicator to level the balance precisely
- KERN MPN 300K-1LM: Sturdy handle for easy transportation of the scale
- ❷ Flexible positioning of display device, e.g. free-standing or mounted to the wall. Wall mount for display device standard
- Large platform with non-slip and wear-resistant surface made of plastic, to provide a secure footing for patients
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- Mother and child function: the parent's weight is measured, and the scale is reset to zero via the button. Subsequently, the parent and baby are weighed together. The weight of the child will then show on the display. This is particularly practical for weighing infants, who can remain cradled in the arms of a parent during the weighing process
- BMI function to determine underweight/normal weight/surplus weight
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- Large LCD display, digit height 25 mm
- Weighing plate dimensions W×D×H
  MPN: 365×370×80 mm
  MPN-L: 400×500×120 mm
- Dimensions of display device W×D×H
  210×54×100 mm
- Cable length of display device approx. 1,8 m
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 12 kg

Accessories

- Internal rechargeable battery pack, operating time up to 48 h, charging time approx. 8 h, KERN YMR-01
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51
- External data interface RS-232, interface cable included, KERN KUP-01
- External data interface USB, interface cable included, KERN KUP-03
- External data interface Ethernet, KERN KUP-04
- Bluetooth interface adapter, KERN KUP-06
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13
- Memory module with real time clock (alibi memory), KERN YMM-03

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STANDARD							OPTION					FACTORY		
WIFI	GLP PRINTER	KUP	KCP PROTOCOL	MOVE	BATT	B MULTI	1 DAY	RS 232	USB	BT 4.0	LAN	ACCU	ALIBI	+3 DAYS *	CE 0297

Model	Weighing range	Readout	Verification value	Mandatory by law Verification
KERN	[Max] kg	[d] kg	[e] kg	M▥ KERN
MPN 200K-1M	250	0,1	0,1	965-129
MPN 300K-1LM	300	0,1	0,1	965-129

Robust integratable wheelchair platform scale for wireless transfer of weighing data to EMR or EHR systems

Wheelchair Platform Scale KERN MWN

Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Thanks to the integrated WiFi interface, this model is suited for wireless transfer of weights directly into the digital patient records. By doing this, any documentation or transfer errors which occur during manual data transfer are eliminated. Thanks to this technology, this model can be integrated into existing or future EMR and EHR systems and ensures that your investment is future-proofed right now
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- Especially suitable for weighing patients in wheelchairs because of the low-profile platform which can be approached from either side
- Secure and non-slip positioning with height-adjustable rubber feet
- Level indicator to level the balance precisely
- Hold function: While weighing patients that are unable to stand still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- BMI function to determine underweight/normal weight/surplus weight
- The scale can be easily transported using the handle and two rollers and does not require much storage space
- ▮ Wall mount for display device, standard
- Battery- or mains-powered, rechargeable battery operation optional
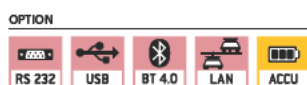- Protective working cover included with delivery

Technical data

- Large LCD display, digit height 25 mm
- Dimensions weighing surface W×D 910×740 mm
- Dimensions of display device W×D×H 210×54×100 mm
- Cable length of display device approx. 1,8 m
- Overall dimensions W×D×H 1160×830×73 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 30 kg

Accessories

- Internal rechargeable battery pack, operating time up to 48 , charging time approx. 8 h, KERN YMR-01
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51
- External data interface RS-232, interface cable included, KERN KUP-01
- External data interface USB, interface cable included, KERN KUP-03
- External data interface Ethernet, KERN KUP-04
- Bluetooth interface adapter, KERN KUP-06
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13
- Memory module with real time clock (alibi memory), KERN YMM-03

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STANDARD							OPTION					FACTORY			
WIFI	GLP PRINTER	KUP	KCP PROTOCOL	MOVE	BATT	B MULTI	2 DAYS	RS 232	USB	BT 4.0	LAN	ACCU	ALIBI	+3 DAYS	CE 0297

Model	Weighing range	Readout	Verification value	Mandatory by law Verification
KERN	[Max] kg	[d] kg	[e] kg	KERN
MWN 300K-1M	300	0,1	0,1	965-129

Mobile integratable chair scale for **wireless transfer of weighing** data to EMR or EHR systems

Chair Scale KERN MCN

Features

- Verification class III (verification is optional)
- Approved as a medical device according to 93/42/EEC or regulation (EU) 2017/745
- Thanks to the integrated WiFi interface, this model is suited for wireless transfer of weights directly into the digital patient records. By doing this, any documentation or transfer errors which occur during manual data transfer are eliminated. Thanks to this technology, this model can be integrated into existing or future EMR and EHR systems and ensures that your investment is future-proofed right now
- KERN Universal Port (KUP): permits the connection of an external KUP interface adapter, such as, for example, RS-232, USB, Bluetooth, WiFi or Ethernet, for the exchange of data and control commands, without any installation outlay
- This chair scale is the ideal measuring instrument for retirement homes, rehabilitation centres and clinics with lots of patients, and can weigh over-weight people up to 250 kg
- **1** Mobile version with two steerable rollers and particularly convenient locking brakes at the rear
- With its four wheels, this chair scale provides maximum mobility in bringing the scale to the patient. This ensures more efficient use of time for the clinic staff and greater safety for the patients who can be weighed in their familiar environment
- The rollers, with their large diameter, make it easier to get over door thresholds, edges and across the gaps into elevators

- For fragile patients, the comfortable, ergonomically optimised seat offers secure support during weighing
- Because of the clearly contrasting black colour of the seating surface, footrests and armrests ideally suitable for dementia patients
- **2** Two foldable armrests and footrests make transfers into the chair easier. Ideal for overweight patients or barrier-free use, e.g. for transfers from a bed to the scale
- Ergonomically positioned carrying handles
- Hold function: While weighing patients that are unable to sit still, a mean average weight value is determined. This allows for sufficient time to attend to the patient, and then get a weight reading
- BMI function to determine underweight/normal weight/surplus weight
- High resolution readability: readability [d] can be increased by one decimal place for 5 sec. by the touch of a key
- Battery- or mains-powered, rechargeable battery operation optional
- Protective working cover included with delivery

Technical data

- **3** Large LCD display, digit height 25 mm
- Dimensions of seating surface W×D 390×360 mm
- Dimensions of display device W×D×H 210×54×100 mm
- Battery operation possible, 6×1.5 V AA not included, operating time up to 20 h
- **4** Mains adapter external, standard
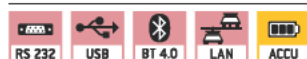- Net weight approx. 24 kg

Accessories

- **5** Practical mains adapter pouch to store the mains adapter which is supplied as standard. Fitting option using two Velcro fasteners, KERN MCC-A01
- Internal rechargeable battery pack, operating time up to 48 h, charging time approx. 8 h, KERN YMR-01
- External mains adapter, 100 V - 240 V, Standard EU, UK, KERN YKA-51
- External data interface RS-232, interface cable included, KERN KUP-01
- External data interface USB, interface cable included, KERN KUP-03
- External data interface Ethernet, KERN KUP-04
- Bluetooth interface adapter, KERN KUP-06
- Extension box for connecting up to three interfaces in parallel, KERN KUP-13
- Memory module with real time clock (alibi memory), KERN YMM-03

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STANDARD							OPTION					FACTORY			
WIFI	GLP PRINTER	KCP KUP	PROTOCOL	MOVE	BATT	MULTI	2 DAYS	RS 232	USB	BT 4.0	LAN	ACCU	ALIBI	+3 DAYS	CE 0297

Model	Weighing range	Readout	Verification value	Mandatory by law Verification
KERN	[Max] kg	[d] kg	[e] kg	KERN
MCN 200K-1M	250	0,1	0,1	965-129

IN THE HERE AND NOW

Today the company is in the eighth generation of its story, and is wholly informed and up to speed: with products which can be networked and tailor-made for you, specialised software and a fully-automated high-bay warehouse. The only way in which we will be able to continue to write this success story is with ongoing innovation, further development and sustainable management.

Digital and interconnected

Nowadays it is becoming increasingly common for measuring and weighing data to be transferred directly from the balance or measuring device to the computer for processing. Weighing, counting and measuring results are shown in stock entries and on delivery notes. We are taking this development into account through products which can be integrated into company networks in a simple and straightforward manner. And the accompanying software is also becoming more important, to meet individual customer requirements.

Made to measure

Our range now covers around 5,000 products and a myriad of services. Nevertheless, there are often requests for an individual, tailor-made solution. Our Customized Solution Service (CUSOS) will develop this for you at our premises in Balingen. In our development department at our Balingen site, market feedback and ideas are also fed into our product development which go above and beyond individual customer requests.

Highly automated, quick service for customers

A 25 metre high (3 metres of which are underground) and 22 × 90 metre wide, fully-automated high-bay warehouse ensures a high level of availability and rapid dispatch of products all around the world. It accommodates approx. 80,000 packages and 3,500 pallets. On a daily basis, between 500 and 800 packages and between 30 and 50 pallets leave the warehouse. It was built in 2014, and will soon reach its limits, however.

Martin Sauter, Senior Managing Director

Albert Sauter, Managing Director

Sustainable

We are already heating and cooling our modern industrial buildings in a largely climate-neutral way using geothermal power. The work on the roof of our high-bay warehouse is now complete and our photovoltaic system has been successfully installed. By doing this we have reached a significant milestone in our sustainability strategy.

With an impressive output of 244.36 kWp the system could power 50 to 60 family homes. The solar module's innovative east/west orientation enables the system to make optimum use of the solar energy. This not only saves considerable costs, but also significantly reduces CO_2 emissions. We are proud to have made another step in the direction of a creating a greener and more sustainable future.

We focus on using recyclable materials in our packaging. By creating attractive and secure jobs, we are also making an important contribution to strengthening the economic power of the region.

Our story started over 250 years ago and it continues to move forward. Go back to page 4/5 to find out more about our history and look to the future with us on page 68/69!