PROFESSIONAL MEASURING
SINCE 1844

KERN

Product brochure

31.10.2026

KERN MWN 400K-1M

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

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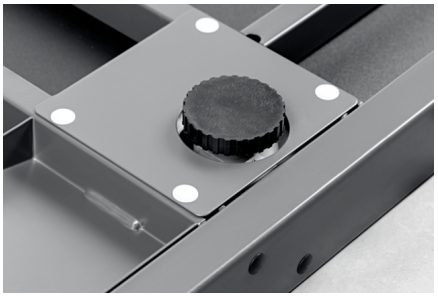
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FEATURES

- Verification class III (verification is optional)
- Approved as a medical device according to 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
- The large steel weighing plate also makes it ideal for weighing obese patients
- 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
- Display device with two magnets on the back, ideal to fix it to metallic surfaces, e.g. to the weighing plate
- 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

TECHNICAL DATA

- Large LCD display, digit height 25 mm
- Dimensions weighing surface W×D 1000×1000 mm
- Dimensions of display device W×D×H 210×100×60 mm
- Cable length of display device approx. 1,8 m
- Overall dimensions W×D×H 1256×1109×70 mmOptional battery operation, 6×1.5 V AA not included in scope of delivery, operating time up to 20 h
- Mains adapter external, standard
- Net weight approx. 44 kg

MAIN SCOPE OF APPLICATIONS

- Inpatient facilities
- Outpatient facilities
- Dialysis centres
- Retirement and nursing homes
- Rehabilitation facilities
- Facilities for people with disabilities

PLEASE NOTE FOR YOUR ORDER

- Within the EU, official verification (conformity assessment in accordance with NAWI 2014/31/EU) is mandatory by law for scales that are intended for use as a medical device. Please order this where you state the location of installation and postcode.

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PICTOGRAMS

Standard



Option



Factory



CE
0297

MODEL OVERVIEW

Model	Weighing capacity [Max]	Readability [d]	Verification value [e]	Dimensions weighing platform W×D×H	Overall dimensions W×D×H	Net weight approx.
MWN 300K-1LM	300 kg	0,1 kg	0,1 kg	1196×797×68 mm	1506×920×68 mm	42 kg
MWN 300K-1M	300 kg	0,1 kg	0,1 kg	740×901×65 mm	1150×849×73 mm	30 kg
MWN 400K-1M	300 kg; 400 kg	0,1 kg; 0,2 kg	0,1 kg; 0,2 kg	995×999×70 mm	1256×1109×70 mm	44 kg

ACCESSORIES

Model	Description
KUP-01	RS-232 interface KUP-01
KUP-03	Interface USB-Device KUP-03

Model	Description
KUP-04	Ethernet interface KUP-04
KUP-06	Bluetooth BLE interface KUP-06
KUP-13	Extension box KUP-13
MWN-A01	Tripod MWN-A01, Height of stand approx. 950 mm
MYC-01	Alcohol-free cloths for wipe disinfectant MYC-01
YKA-51	Power adapter YKA-51 (6 V, 1 A | 100 V - 240 V)
YKC-01	Thermal printer YKC-01
YKG-01	Dot Matrix Printer YKG-01
YKH-01	Thermal printer YKH-01
YMM-03	Alibi memory with Real Time Clock YMM-03
YMR-01	Rechargeable battery pack YMR-01 (Li-Ion, ,)

SOFTWARE

Model	Description
SCD-4.0-DL	Software SCD-4.0-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-DLS05	Software SCD-4.0-DLS05 (Scope of supplies: Download link for 5 licenses)
SCD-4.0-PRO-DL	Software SCD-4.0-PRO-DL (Scope of supplies: Download link for 1 license)
SCD-4.0-PRO-DL-AS05	Software SCD-4.0-PRO-DL-AS05 (Scope of supplies: Download link for 5 licenses)

SERVICES

Model	Description
961-230	Safety-related monitoring (STK protocol) KERN 961-230
961-250	Adjustment at the location of installation 961-250 (Not in combination with verification)
963-130	DAkkS calibration certificate 963-130
965-130	Verification / Conformity assessment according to NAWI (2014/31/EU) 965-130
969-517	Confirmation of the manufacturer's specification (only in combination with DAkkS calibration certificate)969-517
970-109	Warranty extension (+2 years) 970-109

KERN Pictogram Overview

IoT	KERN IoT-Line balances – smart weighing solutions for the digital future
	KERN Universal Port (KUP): allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, USB, Bluetooth, WiFi, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort
	Data interface WiFi: For data transfer to printers, PCs or other peripheral devices
KCP	KERN Communication Protocol (KCP): 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
	Hold function: While weighing patients that are unable to stand, sit or lie still, a mean average weight value is determined
	Battery operation: Ready for battery operation
	Universal plug-in power supply: With universal input and optional input socket adapters for EU, CH, GB or EU, CH, GB, US or EU, CH, GB, US, AUS
2 DAYS	Pallet shipment: The duration of internal product provision are two days
	EasyTouch: Suitable for the connection, data transmission and control through PC or tablet
RS 232	Data interface RS-232: For connection to printers, PCs or other peripheral devices for data transfer over longer distances. Network in bus topology possible
	Data Interface USB: For connection to printers, PCs or other peripheral devices
	Data interface Bluetooth: For connection to printers, PCs or other peripheral devices
	Network interface: For connecting the measuring device to an Ethernet network
	Rechargeable battery pack: Rechargeable set
	Alibi memory: Secure, electronic archiving of measuring results, complying with the 2014/31/EU standard
M	Conformity assessment: The duration of the conformity assessment is 3 working days
CE 0297	Product complies with applicable EU requirements

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