Platforms KERN KIP · KFP · KFD

NEW

1 KERN KIP-V20M

Weighing bridge

STANDARD
IP 65 · 1 DAY

· **Weighing bridge with non-slip chequer plate**, lacquered
· **4 Load cells, steel, silicone-coated, IP67, OIML-R60-approval for verification,** class III, 3000 e
· Can be built in using pit frames (optional)
· **Level indicator and levelling feet for** precise levelling of the scale
· **Easy access to the junction box** from the top
· **Comfortable levelling of the weighing bridge** from the top
· Accessories page 108/109 (KERN BID)

2 KERN KFP-V20 IP67

Weighing bridge

STANDARD | FACTORY
IP 65 · 1 DAY | M

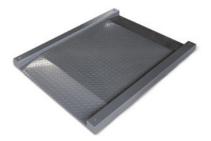· A **Weighing plate screwed on from the top (models with [Max] ≤ 1500 kg),** so it easy to remove, hygienic and easy to clean.
· **Lacquered steel weighing bridge,** weighing plate size 1500×1500×130 mm corrugated steel plate. Extremely resistant to bending due to material thickness
· **4 Load cells, steel, silicone-coated, IP67, OIML-R60-approval for verification,** class III, 3000 e
· Can be built in using pit frames (optional)
· **Level indicator and levelling feet for** precise levelling of the scale
· **Easy access to the junction box** from the top
· **Comfortable levelling of the weighing bridge** from the top
· Accessories page 110/111 (KERN BFB)

3 KERN KFD-V20

Weighing bridge

STANDARD | FACTORY
IP 65 · 1 DAY | M

· **Weighing bridge made of non-slip corrugated steel plate,** lacquered, two access ramps integrated, extremely resistant to bending
· Extremely flat construction to facilitate access: access height only 45 mm
· **4 Load cells, alloy steel, silicone-coated, IP67, OIML-R60-approved** class III, 3000 e
· Accessories page 123 (KERN NFB)

A

Model KERN	Weighing range [Max] kg	Readout [d] g	Verification value [e] g	Min. load [Min] g	Cable length approx. m	Net weight approx. kg	Weighing plate W×D×H mm	
1 Weighing bridge KIP-V20M								
KIP 600V20SM NEW	600	200	200	4000	5	130	1000×1000×108	
KIP 600V20M NEW	600	200	200	4000	5	150	1500×1200×108	
KIP 1500V20SM NEW	1500	500	500	10000	5	130	1000×1000×108	
KIP 1500V20EM NEW	1500	500	500	10000	5	140	1250×1000×108	
KIP 1500V20M NEW	1500	500	500	10000	5	150	1500×1250×108	
KIP 3000V20M NEW	3000	1000	1000	20000	5	150	1500×1250×108	
KIP 3000V20LM NEW	3000	1000	1000	20000	5	180	1500×1500×108	
2 Weighing bridge KFP-V20 IP67								
KFP 600V20SNM	600	200	200	4000	5	105	1000×1000×80	⬇
KFP 600V20NM	600	200	200	4000	5	135	1500×1250×80	
KFP 1500V20SNM	1500	500	500	10000	5	105	1000×1000×80	
KFP 1500V20NM	1500	500	500	10000	5	135	1500×1250×80	
KFP 3000V20NM	3000	1000	1000	20000	5	135	1500×1250×80	
KFP 3000V20LM	3000	1000	1000	20000	5	155	1500×1500×80	
KFP 6000V20M	6000	2000	2000	40000	5	210	1500×1500×130	
3 Weighing bridge KFD-V20								
KFD 600V20M	600	200	200	4000	5	125	1600×1200×78	
KFD 600V20LM	600	200	200	4000	5	155	1400×1800×80	
KFD 1500V20M	1500	500	500	10000	5	125	1600×1200×78	
KFD 1500V20LM	1500	500	500	10000	5	175	1800×1400×78	

NEW New model ⬇ Price reduction

KERN Pictograms

Internal adjusting: Quick setting up of the balance's accuracy with internal adjusting weight (motordriven)
CAL INT

Adjusting program CAL: For quick setting up of the balance's accuracy. External adjusting weight required
CAL EXT

Memory: Balance memory capacity, e.g. for article data, weighing data, tare weights, PLU etc.
MEMORY

Alibi memory: Secure, electronic archiving of weighing results, complying with the 2014/31/EU standard.
ALIBI

Data interface RS-232: To connect the balance to a printer, PC or network
RS 232

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
RS 485

USB data interface: To connect the balance to a printer, PC or other peripherals
USB

Bluetooth* data interface: To transfer data from the balance to a printer, PC or other peripherals
BT

WLAN data interface: To transfer data from the balance to a printer, PC or other peripherals
WLAN

Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.
SWITCH

Interface for second balance: For direct connection of a second balance
DUAL

Network interface: For connecting the scale to an Ethernet network
LAN

Wireless data transfer: between the weighing unit and the evaluation unit using an integrated radio module
RC

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
KCP PROTOCOL

GLP/ISO log: The balance displays serial number, user ID, weight, date and time, regardless of a printer connection
GLP INTERN

GLP/ISO log: With weight, date and time. Only with KERN printers
GLP PRINTER

Piece counting: Reference quantities selectable. Display can be switched from piece to weight
PCS

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 A

Recipe level B: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display
RECIPE B

Recipe level C: Internal memory for complete recipes with name and target value of the recipe ingredients. User guidance through display, multiplier function, adjustment of recipe when dosages are exceeded or barcode recognition
RECIPE C

Totalising level A: The weights of similar items can be added together and the total can be printed out
SUM A

Percentage determination: Determining the deviation in % from the target value (100 %)
PERCENT

Weighing units: Can be switched to e.g. nonmetric units at the touch of a key. See balance model. Please refer to KERN's website for more details
UNIT

Weighing with tolerance range: (Check-weighing) 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
TOL

Hold function: (Animal weighing program) When the weighing conditions are unstable, a stable weight is calculated as an average value
MOVE

Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.
IP

Stainless steel: The balance is protected against corrosion
INOX

Suspended weighing: Load support with hook on the underside of the balance
UNDER

Battery operation: Ready for battery operation. The battery type is specified for each device
BATT

Rechargeable battery pack: Rechargeable set
ACCU

Universal mains adapter: with universal input and optional input socket adapters for
A) EU, GB
B) EU, GB, CH, USA
C) EU, GB, CH, USA, AUS
MULTI

Mains adapter: 230V/50Hz in standard version for EU. On request GB, USA or AUS version available
230 V

Power supply: Integrated in balance. 230V/50Hz standard EU. More standards e.g. GB, USA or AUS on request
230 V

Weighing principle: Strain gauges Electrical resistor on an elastic deforming body
DMS

Weighing principle: Tuning fork A resonating body is electromagnetically excited, causing it to oscillate
T-FORK

Weighing principle: Electromagnetic force compensation Coil inside a permanent magnet. For the most accurate weighings
FORCE

Weighing principle: Single cell technology Advanced version of the force compensation principle with the highest level of precision
SC TECH

Verification possible: The time required for verification is specified in the pictogram
M +3 DAYS

DAkkS calibration possible (DKD): The time required for DAkkS calibration is shown in days in the pictogram
DAkkS +3 DAYS

Package shipment: The time required for internal shipping preparations is shown in days in the pictogram
1 DAY

Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram
2 DAYS

KERN – Precision is our business

To ensure the high precision of your balance KERN offers you the the appropriate test weight in the international OIML error limit classes E1-M3 from 1 mg - 2500 kg. In combination with a DAkkS calibration certificate the best pre-requisite for proper balance calibration.

The KERN DAkkS calibration laboratory today is one of the most modern and best-equipped DAkkS calibration laboratories for balances, test weights and force-measurement in Europe.
Thanks to the high level of automation, we can carry out DAkkS calibration of balances, test weights and force-measuring devices 24 hours a day, 7 days a week.

Range of services:
• DAkkS calibration of balances with a maximum load of up to 50 t
• DAkkS calibration of weights in the range of 1 mg – 2500 kg
• Volume determination and measuring of magnetic susceptibility (magnetic characteristics) for test weights
• Database supported management of checking equipment and reminder service
• Calibration of force-measuring devices
• DAkkS calibration certificates in the following languages DE, GB, FR, IT, ES, NL, PL
• Conformity evaluation and reverification of balances and test weights

Your KERN specialist dealer: