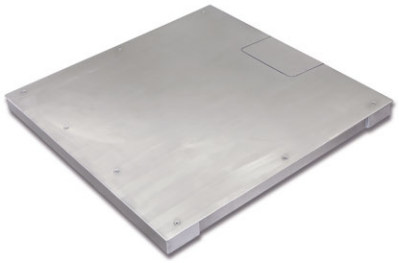
Stainles steel weighing bridges KERN KFP · KFD



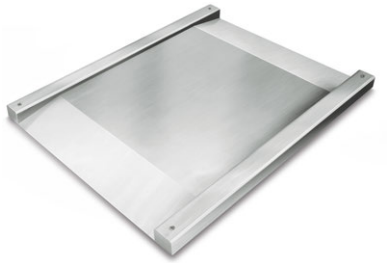
9 KERN KFP-V40

Weighing bridge

STANDARD: IP 68, 2 DAYS

FACTORY: M

- Weighing bridge entirely made of stainless steel, extremely resistant to bending because of its high material thickness
- F Weighing plate fixed with stainless steel screws, for easier access to the loadcells from above
- 4 load cells, stainless steel, encapsulated, IP68, OIML-R60-approved, class III, 3000 e
- Can be built in using pit frames (optional)
- Level indicator and levelling feet for precise levelling of the scale
- Comfortable levelling of the weighing bridge from the top
- Accessories see KERN BFN, page 117



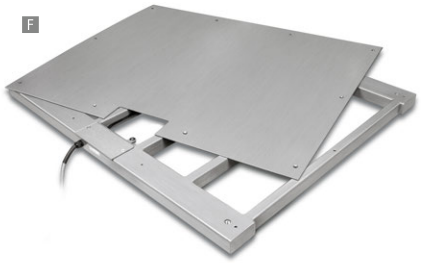
10 KERN KFD-V40

Weighing bridge

STANDARD: IP 68, 2 DAYS

FACTORY: M

- Weighing bridge made from stainless steel, two integrated access ramps, extremely resistant to bending
- Extremely flat construction to facilitate access: access height only 45 mm
- 4 load cells, stainless steel, encapsulated IP68, OIML-R60-approval for verification, class III, 3000 e
- Level indicator and levelling feet for precise levelling of the scale
- Accessories see KERN NFN, page 125



F

! Tip

We will be happy to create custom products for you, such as, for example weighing plates with holes and hooks in place of handles, other weighing plate sizes, other materials (steel grades) and much more.

Model KERN	Weighing range [Max] kg	Readability [d] g	Verification value [e] g	Min. load [Min] g	Cable length approx. m	Net weight approx. kg	Weighing plate W×D×H mm	
9 Stainless steel weighing bridge KFP-V40								
KFP 600V40SM	600	200	200	4000	5	95	1000×1000×80	
KFP 1500V40M	1500	500	500	10000	5	135	1500×1250×80	
KFP 1500V40SM	1500	500	500	10000	5	95	1000×1000×80	
KFP 3000V40M	3000	1000	1000	20000	5	135	1500×1250×80	
10 Stainless steel weighing bridge KFD-V40								
KFD 600V40M	600	200	200	4000	5	130	1600×1200×78	
KFD 1500V40M	1500	500	500	10000	5	130	1600×1200×78	

! ONLY WHILE STOCKS LAST!

Pictograms

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

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

ET
Easy Touch:
Suitable for the connection, data transmission and control through PC, tablet or smartphone.

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

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

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

RS 485
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
USB data interface:
To connect the balance to a printer, PC or other peripherals

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

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

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

ANALOG
Analogue interface:
to connect a suitable peripheral device for analogue processing of the measurements

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

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

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

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

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

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

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

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

UNIT
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

TOL
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

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

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

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

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

ACCU
Rechargeable battery pack:
Rechargeable set

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

230 V
Mains adapter:
230V/50Hz in standard version for EU, CH. 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

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

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

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

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

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

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

ISO +4 DAYS
Factory calibration (ISO):
The time required for Factory calibration is shown in days in the pictogram

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

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

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, EN, FR, IT, ES, NL, PL
- Conformity evaluation and reverification of balances and test weights

Your KERN specialist dealer: