Stainless steel platform / Stainless steel weighing bridge KFP · KFD

10 KERN KFP-V40 IP68

Stainless steel platform

Features

- Platform: entirely out of stainless steel
- 1 load cell, stainless steel, encapsulated, IP68, OIML R60 approval for verification, class III, 3000 e
- Level indicator and levelling feet for accurate levelling of the balance

11 KERN KFP-V40 IP68

Stainless steel weighing bridge

Características

- Weighing bridge entirely made of stainless steel, extremely resistant to bending because of its high material thickness
- G Weighing plate fixed with stainless steel screws, for easier access to the loadcells from above
- 4 Load cells, stainless steel, encapsulated, IP68, OIML R60 approval for verification, Class III, 3000 e
- Can be built in using pit frames (optional)
- Level indicator and levelling feet for accurate levelling of the balance
- Comfortable levelling of the weighing bridge from the top
- Accessories see KERN BFN, page 126

12 KERN KFD-V40 IP68

Stainless steel weighing bridge

Características

- 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 accurate levelling of the balance
- Accessories see KERN NFN, page 134

STANDARD: IP 68, 1 DAY — FACTORY: M

STANDARD: IP 68, 2 DAYS — FACTORY: M

STANDARD: IP 68, 2 DAYS — FACTORY: M

Model	Weighing capacity	Readability	Verification value	Minimal load	Cable length	Net weight	Weighing plate
KERN	[Max] kg	[d] g	[e] g	[Min] g	approx. m	approx. kg	W×D×H mm
10 Stainless steel platform KFP-V40 IP68							
KFP 6V40M NEW	6	0,5	1 | 2	20	3	5,0	300×240×104
KFP 15V40M NEW	15	1	2 | 5	40	3	5,0	300×240×104
KFP 15V40LM NEW	15	1	2 | 5	40	3	5,0	400×300×107
KFP 30V40M NEW	30	2	5 | 10	100	3	8	400×300×107
KFP 30V40LM NEW	30	2	5 | 10	100	3	8	500×400×107
KFP 60V40M NEW	60	5	10 | 20	200	3	8	400×300×120
KFP 60V40LM NEW	60	5	10 | 20	200	3	10	500×400×124
KFP 150V40M NEW	150	10	20 | 50	400	3	10	500×400×124
KFP 150V40LM NEW	150	10	20 | 50	400	3	22	650×500×136
KFP 300V40M NEW	300	20	50 | 100	1000 | 2000	3	22	650×500×136
11 Stainless steel weighing bridge KFP-V40 IP68							
KFP 3000V40M	3000	1000	1000	20000	5	135	1500×1250×80
12 Stainless steel weighing bridge KFD-V40 IP68							
KFD 600V40M*	600	200	200	4000	5	130	1600×1200×78
KFD 1500V40M*	1500	500	500	10000	5	130	1600×1220×95

! * ONLY WHILE STOCKS LAST! NEW **New model**

BALANCES & TEST SERVICE 2024

KERN Pictograms

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

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

EasyTouch
Suitable for the connection, data transmission and control through PC or tablet

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

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

KERN Universal Port (KUP)
allows the connection of external KUP interface adapters, e.g. RS-232, RS-485, SB, Bluetooth, WIFI, Analogue, Ethernet etc. for the exchange of data and control commands, without installation effort

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

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 Data interface
To connect the balance to a printer, PC or other peripherals

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

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

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

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

Interface for second balance
For direct connection of a second balance

Network interface
For connecting the scale to an Ethernet network

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/ISO log intern
The balance displays weight, date and time, independent of a printer connection

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

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

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

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

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

Weighing units
Can be switched to e.g. nonmetric units. See balance model. Please refer to KERN's website for more details

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

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

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

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

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

Rechargeable battery pack
Rechargeable set

Universal plug-in power supply
with universal input and optional input socket adapters for
A) EU, CH, GB
B) EU, CH, GB, US
C) EU, CH, GB, US, AUS

Plug-in power supply
230V/50Hz in standard version for EU, CH.
On request GB, USA or AUS version available

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

Weighing principle Strain gauges
Electrical resistor on an elastic deforming body

Weighing principle Tuning fork
A resonating body is electromagnetically excited, causing it to oscillate

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

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

Conformity Assessment
The time required for conformity assessment is specified in the pictogram

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

Factory calibration (ISO)
The time required for Factory calibration is shown in days in the pictogram

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

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

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