

Balance Kit SAUTER CW · CW KFB





## Balance kit with build-type approval for individual assembly of floor scales – suitable for use in harsh industrial environments with humid environmental conditions

## **Features**

With SAUTER scale kits, individual weighing solutions can be put together, for example, individual balance manufacturing in industry, automotive manufacturing and agriculture. In this way, a wide range requirements in terms of dimensions, materials, combinations of peripheral devices etc. can be fulfilled. Especially suitable for the manufacture of platform scales, weigh hoppers, silo scales, flush-mounted floor scales and other weighing devices. Area of use: Measuring mass as well as compressive force in harsh environments

- · Details for weighing cells:
- Accuracy in accordance with OIML R60 C3
- CE and RoHS compliant
- ■ Protection against dust and water splashes IP67 (in accordance with EN 60529)
- Nickel-plated steel
- Nominal sensitivity: 3 mV/V  $\,$
- 4-wire connection
- Junction box SAUTER CJ P4PG:
- The robust aluminium diecast housing
- 2 Protection against dust and water splashes IP65
- Note: Use the SAUTER CW in combination with one of our display devices, for example, KFS-TM, YKV, CE HS

## Accessories

- Assembly of components, 50 kg 350 kg, KERN 965-412
- Assembly of components, 350 kg 1500 kg, KERN 965-413
- Assembly of components, 2900 kg 6000 kg, KERN 965-415

Note: Some weighing processes require an individual special solution. For this reason we have special scale kits available for you which you can use to create a tailor-made solution which is just right for you. In this way you can use the most varied platform sizes or individual weighing systems, e.g. within larger production plants, which match your requirements perfectly.

STANDARD	)			
665	<b>444</b>	DMS	M	1 DAY
2	1	51.0		

Model	Nominal load	Scope of delivery Load cells	Scope of delivery	
SAUTER	kg			
CW 300	300	4 × CB 100-3P1		
CW 750	750	4 × CB 250-3P1	- 4 Adjustable feet CE P2012	
CW 1500	1500	4 × CT 500-3P2	- 4 Distance plates CE P3012	
CW 3000	3000	4 × CT 1000-3P2	- Junction box CJ P4PG	
CW 4500	4500	4 × CT 1500-3P1	<del></del>	
CW 7500	7500	4 × CT 2500-3P1	- 4 Adjustable feet CE P2018 - 4 Distance plates CE P3015 - Junction box CJ P4PG	
CW 9000	9000	4 × CT 3000-3P2		
CW 15000	15000	4 × CT 5000-3P1		
CW 300KFB	300	4 × CB 100-3P1		
CW 750KFB	750	4 × CB 250-3P1	- 1 Display device KFB-TM - 4 Adjustable feet CE P2012 - 4 Distance plates CE P3012	
CW 1500KFB	1500	4 × CT 500-3P2		
CW 3000KFB	3000	4 × CT 1000-3P2		
CW 4500KFB	4500	4 × CT 1500-3P1	- Junction box CJ P4PG	
CW 7500KFB	7500	4 × CT 2500-3P1	- 1 Display device KFB-TM	
CW 9000KFB	9000	4 × CT 3000-3P2	- 4 Adjustable feet CE P2018	
CW 15000KFB	15000	4 × CT 5000-3P1	- 4 Distance plates CE P3015 - Junction box CJ P4PG	

## **MEASURING TECHNOLOGY & TEST SERVICE 2024**

**SAUTER Pictograms** 



Conformity assessment

Models with type approval

**DAkkS** calibration

The time required for

DAkkS calibration is shown

Factory calibration (ISO)

The time required for factory

calibration is specified in

Package shipment

The time required for

internal shipping prepara-

tions is shown in days in

the pictogram

the pictogram

the pictogram

Pallet shipment

The time required for

internal shipping prepara-

tions is shown in days in

in days in the pictogram

for construction of verifiable

M

DAkkS

+3 DAYS

ISO

1 DAY

systems

possible



Adjusting program (CAL) For quick setting of the

instrument's accuracy. External adjusting weight required



**Calibration block** 

Standard for adjusting or correcting the measuring



Peak hold function Capturing a peak value within a measuring process



Scan mode

Continuous capture and display of measurements



**Push and Pull** 

The measuring device can capture tension and compression forces



Length measurement

Captures the geometric dimensions of a test object or the movement during a test process



Focus function

Increases the measuring accuracy of a device within a defined measuring range



Internal memory

To save measurements in the device memory



Data interface RS-232

Bidirectional, for connection of printer and PC



**Profibus** 

For transmitting data, e.g. between scales, measuring cells, controllers and peripheral devices over long distances. Suitable for safe, fast, fault-tolerant data transmission. Less susceptible to magnetic interference



**Profinet** 

Enables efficient data exchange between de-centralised peripheral devices (balances, measuring cells, measuring instruments etc.) and a control unit (controller). Especially advantageous when exchanging complex measured values, device, diagnostic and process information. Savings potential through shorter commissioning times and device integration possible



Data interface USB

To connect the measuring instrument to a printer, PC or other peripheral devices



Bluetooth\* data interface

To transfer data from the balance/measuring instrument to a printer, PC or other peripherals



WIFI data interface

To transfer data from the balance/measuring instrument to a printer, PC or other peripherals



Data interface infrared

To transfer data from the measuring instrument to a printer, PC or other peripheral devices



**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



Analogue output

For output of an electrical signal depending on the load (e.g. voltage 0 V - 10 V or current 4 mA - 20 mA)



Statistics

Using the saved values, the device calculates statistical data, such as average value, standard deviation etc.



**PC Software** 

To transfer the measurement data from the device to a PC



**Printer** 

A printer can be connected to the device to print out the measurement data



**Network interface** 

For connecting the scale/ measuring instrument 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 record keeping

of measurement data with date, time and serial number. Only with SAUTER printers



Measuring units

Weighing units can be switched to e.g. non-metric. Please refer to website for more details



Measuring with tolerance range (limit-setting function)

Upper and lower limiting can be programmed individually. The process is supported by an audible or visual signal, see the relevant model



Protection against dust and water splashes IPxx

The type of protection is shown in the pictogram cf. DIN EN 60529:2000-09, IEC 60529:1989 +A1:1999+A2:2013



**ZERO** 

Resets the display to "0"



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



Rechargeable battery pack

Rechargeable set



230V/50Hz in standard version for EU. On request GB, AUS or US version available

Plug-in power supply



Integrated power supply unit

Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or US on request



Motorised drive

The mechanical movement is carried out by a electric motor



Motorised drive

The mechanical movement is carried out by a synchronous motor (stepper)



**Fast-Move** 

The total length of travel can be covered by a single lever movement



