

Balance kit SAUTER CW - CW KFB



Illustration: series CW without display device

Illustration: series CW KFB with display device

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

**Features**

- With SAUTER balance 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 manufacturing of platform scales, funnel scales, 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
- 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 to 350 kg, KERN 965-412
- Assembly of components, 350 kg to 1500 kg, KERN 965-413
- Assembly of components, 2900 kg to 6000 kg, KERN 965-415

Note: Powerful balances and efficient weighing systems which support you in your work, should be adapted to your individual requirements. Standard models are therefore not sufficient under some circumstances. For this reason we have special balance kits available for you, with or without display device, 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



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

Balance kit SAUTER CW - CW KFB



Illustration: series CW R without display device



Illustration: series CW KFN with display device

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

**Features**

- With SAUTER balance 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 manufacturing of platform scales, funnel scales, 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 IP68/IP69K
  - alloy steel
  - 6-wire connection
  - Nominal sensitivity: 2 mV/V

- Junctionbox SAUTER CJ X467:

- Robust housing made of stainless steel with dust and spray protection IP67
- Note: Use the SAUTER CW R in combination with one of our display devices, for example, KFS-TM, YKV, CE HS

**Accessories**

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

Note: Powerful balances and efficient weighing systems which support you in your work, should be adapted to your individual requirements. Standard models are therefore not sufficient under some circumstances. For this reason we have special balance kits available for you, with or without display device, 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



Model	Nominal load	Scope of delivery Load cells	Scope of delivery
<b>SAUTER</b>			
	kg		
CW 1500R	1500	4 × CT 500-3Q1	- 4 Distance CE P3012
CW 3000R	3000	4 × CT 1000-3Q1	- 4 Adjustable feet CE RQ12
CW 4500R	4500	4 × CT 1500-3Q1	- 1 Junction box CJ X467
CW 6000R	6000	4 × CT 2000-3Q1	
CW 9000R	9000	4 × CT 3000-3Q1	- 4 Distance CE P3015 - 4 Adjustable feet CE RQ35917 - 1 Junction box CJ X467
<b>CW KFN</b>			
CW 1500RKFN	1500	4 × CT 500-3Q1	- 1 Display device KFN-TM
CW 3000RKFN	3000	4 × CT 1000-3Q1	- 4 Adjustable feet CE RQ12
CW 4500RKFN	4500	4 × CT 1500-3Q1	- 4 Distance CE P3015
CW 6000RKFN	6000	4 × CT 2000-3Q1	- 1 Junction box CJ X467
CW 9000RKFN	9000	4 × CT 3000-3Q1	- 1 Display device KFN-TM - 4 Distance CE P3012 - 4 Adjustable feet CE RQ35917 - 1 Junction box CJ X467



**Adjusting program (CAL):**  
For quick setting of the instrument's accuracy. External adjusting weight required



**Calibration block:**  
Standard for adjusting or correcting the measuring device



**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 decentralised 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



**WLAN 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



**Analog 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



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



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



**Motorised drive:**  
The mechanical movement is carried out by an 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



**Verification possible:**  
Models with type approval for construction of verifiable systems



**DAkkS calibration possible:**  
The time required for DAkkS calibration is shown in days in the pictogram



**Factory calibration:**  
The time required for factory calibration is specified 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