SAUTER CATALOGUE 2020

Load cells SAUTER CD P1 · CD P2







Fig. shows optional accessory, mounting kit SAUTER CE P4136



Load cells made of stainless steel



- Accuracy class C3
- Dust and spray protection to IP68 (in accordance with EN 60529), hermetically encapsulated
- Stainless steel
- Area of application: Measuring mass as well
 as compressive force
- Suitable for vehicle scales, weigh hoppers, vehicle testing equipment, test benches
- Note: EX version or accuracy class C4 on request
- Nominal sensitivity: 2 mV/V

CD P2

Load cells made of stainless steel



- Accuracy in accordance with OIML R60 C2
- Dust and spray protection to IP68 (in accordance with EN 60529), hermetically encapsulated
- Stainless steel
- Area of application: Tensile and compressive force measurement
- Suitable for vehicle scales, weigh hoppers, vehicle testing equipment, test benches, suspended scales
- Nominal sensitivity: 1,5 mV/V
- Please ask for delivery time

Accessories CD P1:

 Pressure piece, steel, rustproof, suitable for CD 10-3P1, CD 20-3P1, SAUTER CE P10330

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- Pressure piece, steel, rustproof, suitable for CD 40-3P1, CD 50-3P1, SAUTER CE P10350
- Mounting kit, steel, rustproof, suitable for CD 10-3P1, CD 20-3P1, SAUTER CE P41430
- Mounting kit, steel, rustproof, suitable for CD 40-3P1, CD 50-3P1, SAUTER CE P14150

Model	Nominal load	Model	
SAUTER		SAUTER	
CD 10-3P1	10 t/100 kN	CD 10-2P2	
CD 20-3P1	20 t/200 kN	CD 20-2P2	
CD 40-3P1	40 t/400 kN	CD 30-2P2	
CD 50-3P1	50 t/500 kN	CD 50-2P2	
		 CD 100-2P2	1

Model	Nominal load	
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CD 10-2P2	10 t/100 kN	
CD 20-2P2	20 t/200 kN	
CD 30-2P2	30 t/300 kN	
CD 50-2P2	50 t/500 kN	
CD 100-2P2	100 t/1000 kN	

Tip: Further details and technical data sheet as well as extensive accessories see internet

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Pictograms



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.

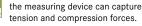


continuous capture and display of measurements



Push and Pull:

Scan mode:



Length measurement:

captures the geometric dimensions of a test object or the movement during a test process.



SCALE

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.



Data interface USB:

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



WLAN data interface:

To transfer data from the balance 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.

Your KERN specialist dealer:



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



to connect a suitable peripheral device for ANAL OG analogue processing of the measurements



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



to transfer the measurement data from the device to a PC



a printer can be connected to the device to PRINT print out the measurement data.

Network interface: Ċ

For connecting the scale to an Ethernet LAN network.

KCP
PROTOCO

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



GLP/ISO record keeping:

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



Measuring units:

digital systems.

Weighing units can be switched to e.g. non-metric at the touch of a key. 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





FAST-MOVE

The mechanical movement is carried

out by a synchronous motor (stepper).



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



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:

1 DAY

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.

Motorised drive:

ZERO:

→N←

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230 V

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