

Load cells SAUTER CD P1 · CD P2 · CR Y1



NEW



Fig. shows optional accessory, mounting kit
■ SAUTER CE P4136

CD P1

Load cells made of stainless steel

STANDARD

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Dust and spray protection to IP68 (in accordance with EN 60529), hermetically encapsulated
- Stainless steel
- Area of application: Weight measurement 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

Accessories CD P1:

- Pressure piece, steel, rustproof, suitable for CD 10-3P1, CD 20-3P1, SAUTER CE P10330
- 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	
SAUTER		
CD 10-3P1	10 t/100 kN	
CD 20-3P1	20 t/200 kN	
CD 40-3P1	40 t/400 kN	
CD 50-3P1	50 t/500 kN	

* up to max. 12 t/120 kN

CD P2

Load cells made of stainless steel

STANDARD

- Accuracy in accordance with OIML R60 C2
- RoHS compliant
- 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

Model	Nominal load	
SAUTER		
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	

* up to max. 12 t/120 kN

CR Y1

Load cells made of alloyed steel

STANDARD

- High precision (comprehensive Error 0,05 % F.S.)
- Accuracy in accordance with OIML R60 C1
- RoHS compliant
- Dust and spray protection to IP68 (in accordance with EN 60529), hermetically encapsulated
- Stainless steel
- Area of application: for weight, tensile and compressive force measurement
- Suitable for Weight measurement as well as force and force test benches
- Force transmission via pressure piece or threaded hole
- Nominal sensitivity: 2 mV/V
- Pressure piece included with delivery
- Thread for pressure piece or other force application: up to 5000 kg M16×1,5, 10000 kg M32×1,5





































Model	Nominal load	
SAUTER		
CR 500-1Y1	0,5 t/5 kN	
CR 1000-1Y1	1 t/10 kN	
CR 5000-1Y1	5 t/50 kN	
CR 10000-1Y1	10 t/100 kN	
CR 20000-1Y1	20 t/200 kN	

* up to max. 12 t/120 kN



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

Pictograms

 Adjusting program (CAL): For quick setting of the instrument's accuracy. External adjusting weight required	 Bluetooth* data interface: To transfer data from the balance/measuring instrument to a printer, PC or other peripherals	 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
 Calibration block: Standard for adjusting or correcting the measuring device	 WLAN data interface: To transfer data from the balance/measuring instrument to a printer, PC or other peripherals	
 Peak hold function: Capturing a peak value within a measuring process	 Data interface Infrared: To transfer data from the measuring instrument to a printer, PC or other peripheral devices	 Protection against dust and water splashes IPxx: The type of protection is shown in the pictogram.
 Scan mode: Continuous capture and display of measurements	 Control outputs (optocoupler, digital I/O): To connect relays, signal lamps, valves, etc.	 ZERO: Resets the display to "0"
 Push and Pull: The measuring device can capture tension and compression forces	 Analogue interface: To connect a suitable peripheral device for analogue processing of the measurements	 Rechargeable battery pack: Rechargeable set
 Length measurement: Captures the geometric dimensions of a test object or the movement during a test process	 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)	 Akku-Betrieb: Wiederaufladbares Set
 Focus function: Increases the measuring accuracy of a device within a defined measuring range	 Statistics: Using the saved values, the device calculates statistical data, such as average value, standard deviation etc.	 Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available
 Internal memory: To save measurements in the device memory	 PC Software: To transfer the measurement data from the device to a PC	 Power supply: Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request
 Data interface RS-232: Bidirectional, for connection of printer and PC	 Printer: A printer can be connected to the device to print out the measurement data	 Motorised drive: The mechanical movement is carried out by an electric motor
 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.	 Network interface: For connecting the scale/measuring instrument to an Ethernet network	 Motorised drive: The mechanical movement is carried out by a synchronous motor (stepper)
 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	 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	 Fast-Move: The total length of travel can be covered by a single lever movement
 Data interface USB: To connect the measuring instrument to a printer, PC or other peripheral devices	 GLP/ISO record keeping: Of measurement data with date, time and serial number. Only with SAUTER printers	 Verification possible: The time required for verification is specified in the pictogram
	 GLP/ISO record keeping: Of measurement data with date, time and serial number. Only with SAUTER printers	 DAKkS calibration possible: The time required for DAKkS calibration is shown in days in the pictogram
	 Measuring units: Weighing units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details	 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

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