

Load cells SAUTER CS P1 · CS Q1



Fig. shows optional accessory SAUTER CE R20, for further accessories please visit our online shop

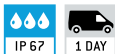


Fig. shows optional accessory pulling device SAUTER CE R20, for further accessories please visit our online shop

CS P1

“S” measuring cells for force and mass measurement

STANDARD



- Accuracy in accordance with OIML R60 class C3
- Dust and spray protection to IP67 (in accordance with EN 60529), welded to create a hermetic seal
- Nickel-plated steel
- Scope of application: for tensile and compressive force measurement
- Suitable for hanging scales, weigh hoppers and other weighing devices as well as force measurement devices and test benches
- 4-wire connection
- Note: EX version and accuracy class C4 on request
- Nominal sensitivity: 2 mV/V

Model	Nominal load	
SAUTER		
CS 25-3P1	25 kg/250 N	
CS 50-3P1	50 kg/500 N	
CS 100-3P1	100 kg/1 kN	
CS 150-3P1	150 kg/1,5 kN	
CS 250-3P1	250 kg/2,5 kN	
CS 500-3P1	500 kg/5 kN	
CS 600-3P1	600 kg/6 kN	
CS 750-3P1	750 kg/7,5 kN	
CS 1000-3P1	1 t/10 kN	
CS 1500-3P1	1.5 t/15 kN	
CS 2000-3P1	2 t/20 kN	
CS 2500-3P1	2.5 t/25 kN	
CS 5000-3P1	5 t/50 kN	
CS 7500-3P1	7.5 t/75 kN	
CS 10000-3P1	10 t/100 kN	
CS 15000-3P1	15 t/150 kN	
CS 20000-3P1	20 t/200 kN	
CS 30000-3P1	30 t/300 kN	

CS Q1

“S” measuring cells for force and mass measurement

STANDARD






















- Accuracy class C3
- Dust and spray protection to IP67 (in accordance with EN 60529), hermetically encapsulated
- Scope of application: for tensile and compressive force measurement
- Suitable for hanging scales, weigh hoppers and other weighing devices as well as force measurement devices and test benches
- 6-wire connection
- Nominal sensitivity: 2 mV/V

Model	Nominal load	
SAUTER		
CS 50-3Q1	50 kg /500 N	
CS 100-3Q1	100 kg /1 kN	
CS 150-3Q1	150 kg /1,5 kN	
CS 200-3Q1	200 kg /2 kN	
CS 300-3Q1	300 kg /3 kN	
CS 500-3Q1	500 kg /5 kN	
CS 750-3Q1	750 kg /7,5 kN	
CS 1000-3Q1	1 t /10 kN	
CS 1500-3Q1	1.5 t /15 kN	
CS 2000-3Q1	2 t /20 kN	
CS 3000-3Q1	3 t/30 kN	
CS 5000-3Q1	5 t/50 kN	
CS 6000-3Q1	6 t/60 kN	



Note: Further details and plenty of further accessories see internet

Pictograms

 Adjusting program (CAL): For quick setting of the instrument's accuracy. External adjusting weight required.	 Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.	 Battery operation: Ready for battery operation. The battery type is specified for each device.
 Calibration block: standard for adjusting or correcting the measuring device.	 Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements	 Rechargeable battery pack: rechargeable set.
 Peak hold function: capturing a peak value within a measuring process.	 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.
 Scan mode: continuous capture and display of measurements.	 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.
 Push and Pull: the measuring device can capture tension and compression forces.	 Printer: a printer can be connected to the device to print out the measurement data.	 Motorised drive: The mechanical movement is carried out by a electric motor.
 Length measurement: captures the geometric dimensions of a test object or the movement during a test process.	 GLP/ISO record keeping: of measurement data with date, time and serial number. Only with SAUTER printers	 Motorised drive: The mechanical movement is carried out by a synchronous motor (stepper).
 Focus function: increases the measuring accuracy of a device within a defined measuring range.	 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.	 Fast-Move: the total length of travel can be covered by a single lever movement.
 Internal memory: to save measurements in the device memory.	 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	 DAkkS calibration possible: The time required for DAkkS calibration is shown in days in the pictogram.
 Data interface RS-232: bidirectional, for connection of printer and PC.		 Factory calibration: The time required for factory calibration is specified in the pictogram.
 Data interface USB: To connect the measuring instrument to a printer, PC or other peripheral devices.		 Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
 Data interface Infrared: To transfer data from the measuring instrument to a printer, PC or other peripheral devices.	 ZERO: Resets the display to "0".	 Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.

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