

Load cells SAUTER CT Q1 \cdot CT P1 \cdot CT P2







Fig. shows optional accessories load corner SAUTER CE RQ35903

CT Q1

Shear beam made of stainless steel

STANDARD			OPTION	
666	666	.	DAKKS SO	
IP 68	IP 69K	1 DAY	+3 DAYS +4 DAYS	
			4	

- Accuracy in accordance with OIML R60 C3
- · CE and RoHS compliant
- Dust and spray protection to IP68/IP69K (in accordance with EN 60529), welded to create a hermetic seal
- · Stainless steel
- Area of application: Weight measurement as well as compressive force in harsh environments
- Suitable for platform scales, funnel scales, flush-mounted floor scales and other weighing devices
- 6-wire connection

Model

- Nominal sensitivity: 2 mV/V
- Note: EX version on request



-/

Fig. shows optional

accessories load corner

2 SAUTER CE P4022

CT P1 · CT P2

Load cells made of stainless steel



- Accuracy in accordance with OIML R60 C3
- CE and RoHS compliant
- Dust and spray protection to IP67 (in accordance with EN 60529), welded to create a hermetic seal
- Nickel-plated steel
- Area of application: Weight measurement as well as compressive force in harsh environments
- Suitable for platform scales, funnel scales, flush-mounted floor scales and other weighing devices
- 4-wire connection

Model

- Nominal sensitivity: 3 mV/V
- Note: EX version, 6-wire connection and accuracy class C4 or C5 on request
- **CT P2:** Delivery with calibrated characteristic value, if several cells are ordered, this means significantly less effort when aligning the corners of a platform

Nominal load

Wodel	Nominarioad		
SAUTER	kg		
CT 300-3Q1	300		
CT 500-3Q1	500		
CT 750-3Q1	750		
CT 1000-3Q1	1000		
CT 1500-3Q1	1500		
CT 2000-3Q1	2000		
CT 3000-3Q1	3000		
CT 5000-3Q1	5000		
CT 7500-3Q1	7500		
CT 10000-3Q1	10000		

Nominal load

* up to max. 500 kg

Tip

SAUTER	kg			
CT 500-3P1	500			
CT 1000-3P1	1000			
CT 1500-3P1	1500			
CT 2500-3P1	2500			
CT 3000-3P1	3000			
CT 5000-3P1	5000			
CT 10000-3P1	10000			
CT 500-3P2	500			
CT 1000-3P2	1000			
CT 3000-3P2	3000			
CT 5000-3P2	5000			
CT 10000-3P2	10000			
* up to max. 500 kg				

Accessories CT Q1:

- Base plate, steel, rustproof, suitable for CT Q1, SAUTER CE RQ35911
- Base plate, steel, rustproof, suitable for CT 3000-3Q1, CT 5000-3Q1, SAUTER CE RQ35912
- Base plate, steel, rustproof, suitable for CT 7500-3Q1, CT 10000-3Q1, SAUTER CE RQ35919
- Bearing, steel, rustproof, suitable for CT Q1, SAUTER CE RQ35909
- Bearing, steel, rustproof, suitable for CT 3000-3Q1, CT 5000-3Q1, SAUTER CE RQ35910
- Bearing, steel, rustproof, suitable for CT 7500-3Q1, CT 10000-3Q1, SAUTER CE RQ35918
- Load corner, steel, rustproof, suitable for CT Q1, SAUTER CE RQ35902
- Load corner, steel, rustproof, suitable for CT 3000-3Q1, CT 5000-3Q1, SAUTER CE RQ35903

Accessories CT P1 · CT P2:

- Load corner, steel, rustproof, suitable for CT 10000-3P1, CT 10000-3P2, SAUTER CE P40210
- Ize Load corner, steel, nickel-plated, suitable for CT 500-3P1, CT 1000-3P1, CT 1500-3P1, SAUTER CE P4022
- Load corner, steel, nickel-plated, suitable for CT 2500-3P1, CT 3000-3P1, CT 5000-3P1, SAUTER CE P4025
- Adjustable foot, steel, rustproof, suitable for CT 500-3P1, CT 1000-3P1, CT 1500-3P1, SAUTER CE P2012
- Adjustable foot, steel, rustproof, suitable for CT 2500-3P1, CT 3000-3P1, CT 5000-3P1, SAUTER CE P2018
- Adjustable foot, steel, rustproof, suitable for CT 10000-3P1, SAUTER CE P2024
- Spacer plate for CT 500-3P1, CT 500-3P2, CT 1000-3P1, CT 1000-3P2 and CT 1500-3P1, SAUTER CE P3012
- Spacer plate for CT 2500-3P1, CT 3000-3P1, CT 3000-3P2, CT 5000-3P1 and CT 5000-3P2 SAUTER CE P3015
- Spacer plate for CT 10000-3P1 and CT 10000-3P2 SAUTER CE P30110

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

MEASURING TECHNOLOGY & TEST SERVICE 2023

SAUTER PICTOGRAMS

required



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

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measuring instrument to a printer, PC or other peripherals

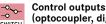


WLAN data interface:

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

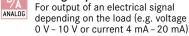


(optocoupler, digital I/O): SWITCH To connect relays, signal lamps, valves, etc.



Analogue interface: To connect a suitable peripheral device for analogue processing of the measurements

Analog output:



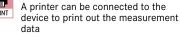
how Statistics:

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



PC Software: To transfer the measurement data from the device to a PC

Printer: 님



D Network interface: For connecting the scale/measuring LAN 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



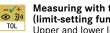
GLP/ISO record keeping:

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



Measuring units:

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



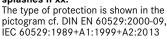
Measuring with tolerance range (limit-setting function): Upper and lower limiting can be programmed individually. The process

is supported by an audible or visual signal, see the relevant model



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Protection against dust and water splashes IPxx:



B

Rechargeable battery pack: Rechargeable set ACCU

→0+

ZERO

E

BATT

ZERO:

Resets the display to "0"

Battery operation:



Plug-in power supply:

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

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 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



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



() +33(0)3 20 55 19 11 () +32(0)16 73 55 72

The time required for internal shipping preparations is shown in days in the pictogram

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