

PROFESSIONAL MEASURING



LOAD CELLS

23

KERN Pictograms

	Adjusting program (CAL): For quick setting of the instrument's accuracy. External adjusting weight required		WLAN data interface: To transfer data from the balance/measuring instrument to a printer, PC or other peripherals		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
	Calibration block: Standard for adjusting or correcting the measuring device		Data interface Infrared: To transfer data from the measuring instrument to a printer, PC or other peripheral devices		ZERO: Resets the display to "0"
	Peak hold function: Capturing a peak value within a measuring process		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
	Scan mode: Continuous capture and display of measurements		Analogue interface: To connect a suitable peripheral device for analogue processing of the measurements		Rechargeable battery pack: Rechargeable set
	Push and Pull: The measuring device can capture tension and compression forces		Analogue output: For output of an electrical signal depending on the load (e.g. voltage 0 V – 10 V or current 4 mA – 20 mA)		Plug-in power supply: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available
	Length measurement: Captures the geometric dimensions of a test object or the movement during a test process		Statistics: Using the saved values, the device calculates statistical data, such as average value, standard deviation etc.		Integrated power supply unit: Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request
	Focus function: Increases the measuring accuracy of a device within a defined measuring range		PC Software: To transfer the measurement data from the device to a PC		Motorised drive: The mechanical movement is carried out by an electric motor
	Internal memory: To save measurements in the device memory		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 synchronous motor (stepper)
	Data interface RS-232: Bidirectional, for connection of printer and PC		Network interface: For connecting the scale/measuring instrument to an Ethernet network		Fast-Move: The total length of travel can be covered by a single lever movement
	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.		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		Verification possible: Models with type approval for construction of verifiable systems
	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		GLP/ISO record keeping: Of measurement data with date, time and serial number. Only with SAUTER printers		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		Measuring units: Weighing units can be switched to e.g. non-metric. Please refer to website for more details		Package shipment: The time required for internal shipping preparations is shown in days in the pictogram
	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		Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram

Do you have questions about our products? Our customer consultants will be pleased to assist you:

Product Specialist Measuring Technology



Irmgard Russo
Tel. +49 7433 9933-208
info@sauter.eu

Product Specialist Measuring Technology



Helga Biselli
Tel. +49 7433 9933-188
info@sauter.eu

Product Specialist Measuring Technology



Ralf Gutbrod
Tel. +49 7433 9933-306
info@sauter.eu

Product Specialist Measuring Technology



Andreas Vossler
Tel. +49 7433 9933-243
info@sauter.eu

FR, Maghreb, GB, IE, IS, BE, LU



Maren Möwert
Tel. +49 7433 9933-132
Mobil +49 151 46143240
maren.moewert@kern-sohn.com

DK, SE, FI, NO, PL, LV, LT, EE



Mark Hauder
Tel. +49 7433 9933-310
Mobil +49 160 3378426
mark.hauder@kern-sohn.com

GR, CY, BG, HU, RO, SK, CZ, AL, Ex-Yugoslavia, CIS



Ariana Sevcenco
Tel. +49 7433 9933-203
Mobil +49 151 72434692
ariana.sevcenco@kern-sohn.com

North America, Africa, Asia, Middle East, Oceania, TR:



Corinna Matthes
Tel. +49 7433 9933-215
Mobil +49 151 44568364
corinna.matthes@kern-sohn.com

Germany (PC 4, 7), NL



Taras Mikitisin
Tel. +49 7433 9933-143
Mobil +49 171 5590115
mikitisin@kern-sohn.com

Technical Service



Stefan Rothmund
Tel. +49 7433 9933-179
rothmund@kern-sohn.com

DAKKS Calibration Service Balances & Measuring Instruments



Karl-Richard Fuchs
Tel. +49 7433 9933-401
recalibration-instruments@
kern-sohn.com

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Information on current product availability, product data sheets, user instructions, useful knowledge, technical glossary, images and much for you to download, practical topic areas, which will guide you to the right product in your industry as well as a smart search engine for measuring instruments



Our team of consultants will assist you

from Monday to Friday
from 8:00 am to 5:00 pm



Tip

Analogue torque sensors are compatible with the SAUTER CE HSx display device (rail-mounted module) (see page 86)

DC Y1

Alloy steel static torque sensor

STANDARD



- High precision (comprehensive Error 0,5 % F.S.)
- RoHS compliant
- For monitoring or measurement of static torques, tests of manual torque wrenches or transfer of static load torques
- Nominal sensitivity 1.0~1.5 mV/V, depending on nominal load
- Supply voltage max. 10 V DC
- 4-wire connection
- Simple and quick installation
- High torsional stiffness
- Other designs and nominal loads on request

DC Y2

Alloy steel static torque sensor

STANDARD



OPTION



- High precision (comprehensive Error 0,3 % F.S.)
- RoHS compliant
- Dust and spray protection to IP65 (in accordance with EN 60529)
- For monitoring or measurement of static torques, tests of manual torque wrenches or transfer of static load torques
- Nominal sensitivity 1,5 mV/V
- Supply voltage max. 15 V DC
- 4-wire connection
- High torsional stiffness
- Other designs and nominal loads on request

Model	Nominal load Nm	Price excl. of VAT ex works €
SAUTER		
DC 5-Y1	5	290,-
DC 10-Y1	10	285,-
DC 20-Y1	20	285,-
DC 50-Y1	50	285,-
DC 100-Y1	100	285,-
DC 200-Y1	200	285,-
DC 500-Y1	500	360,-

Model	Nominal load Nm	Price excl. of VAT ex works €
SAUTER		
DC 200M-Y2	0,2	490,-
DC 1-Y2	1	490,-
DC 10-Y2	10	490,-
DC 20-Y2	20	490,-
DC 50-Y2	50	490,-

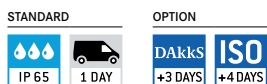
Tip

- Further details and technical data sheet as well as an extensive range of accessories can be found at www.sauter.eu



CP P4 · CP Y4

Single-point load cells made of anodised aluminium



- CP P4: Accuracy in accordance with OIML R60 C3
- CP Y4: Accuracy in accordance with OIML R60 C2
- CE and RoHS compliant
- Dust and spray protection to IP65 (in accordance with EN 60529)
- Aluminium, anodised
- Suitable for price-computing scales, bench scales, platform scales, etc.
- Maximum platform size 200×200 mm
- 4-wire connection
- Nominal sensitivity: 0,9 mV/V

Model	Nominal load	Price excl. of VAT ex works
SAUTER	kg	€
CP 300-0P4	0,3	65,-
CP 600-0P4	0,6	65,-

Model	Nominal load	Price excl. of VAT ex works
SAUTER	kg	€
ECO design		
CP 300-0Y4	0,3	55,-
CP 1500-0Y4	1,5	55,-
CP 3000-0Y4	3	55,-

CP P1 · CP Y1

Single-point load cells made of anodised aluminium



- CP P1: Accuracy in accordance with OIML R60 C3
- CP Y1: Accuracy in accordance with OIML R60 C2
- CE and RoHS compliant
- Dust and spray protection to IP65 (in accordance with EN 60529)
- Aluminium, anodised
- Suitable for price-computing scales, bench scales, platform scales, etc.
- Maximum platform size 250×350 mm
- 4-wire connection
- Nominal sensitivity: 2 mV/V
- Note: Version in accordance with OIML R60 C4 or C5 on request

Model	Nominal load	Price excl. of VAT ex works
SAUTER	kg	€
CP 3-3P1	3	60,-
CP 5-3P1	5	60,-
CP 6-3P1	6	60,-
CP 8-3P1	8	60,-
CP 10-3P1	10	60,-
CP 15-3P1	15	60,-
CP 20-3P1	20	60,-
CP 30-3P1	30	60,-
CP 35-3P1	35	60,-
CP 40-3P1	40	60,-
CP 50-3P1	50	60,-

Model	Nominal load	Price excl. of VAT ex works
SAUTER	kg	€
ECO design (without EC type approval)		
CP 3-2Y1	3	33,-
CP 5-2Y1	5	33,-
CP 10-2Y1	10	33,-
CP 15-2Y1	15	33,-
CP 20-2Y1	20	33,-
CP 30-2Y1	30	33,-

CP P3

Single-point load cells made of anodised aluminium



- Accuracy in accordance with OIML R60 C3
- CE and RoHS compliant
- Dust and spray protection to IP65 (in accordance with EN 60529)
- Suitable for price-computing scales, bench scales, platform scales, etc.
- Maximum platform size 350×400 mm
- 4-wire connection
- Nominal sensitivity: 2 mV/V
- Note: Version in accordance with OIML R60 C4 on request

Model	Nominal load	Price excl. of VAT ex works
SAUTER	kg	€
CP 30-3P3	30	76,-
CP 40-3P3	40	76,-
CP 50-3P3	50	76,-
CP 75-3P3	75	76,-
CP 100-3P3	100	77,-

Tip

Further details and technical data sheet as well as an extensive range of accessories can be found at www.sauter.eu



CP P2 · CP P8

Single-point load cell of aluminium

STANDARD

 IP 65 1 DAY

OPTION

 +3 DAYS +4 DAYS

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Dust and spray protection to IP65 (in accordance with EN 60529)
- Aluminium, anodised
- Suitable for price-computing scales, bench scales, etc.
- Maximum platform size 100–300 kg: 400×400 mm
- Maximum platform size 400–500 kg: 450×450 mm
- Nominal sensitivity: 2 mV/V
- Note: Version in accordance with OIML R60 C4 or C5 on request

CP P7

Single-point load cells of Stainless steel

STANDARD

 IP 67 1 DAY

OPTION

 +3 DAYS +4 DAYS

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Dust and spray protection to IP67 (in accordance with EN 60529)
- Stainless steel
- Application example: Weight as well as compressive force measurements under harsh environmental conditions
- Suitable for bench scales, price-computing scales
- Maximum platform size 400×400 mm
- 6-wire connection
- Nominal sensitivity: 2 mV/V
- Note: Version in accordance with OIML R60 C4 on request

CP P9

Single-point load cells of stainless steel

STANDARD

 IP 68 IP 69K M 1 DAY

OPTION

 +3 DAYS +4 DAYS

- Accuracy in accordance with OIML R60 C3
- 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, checkweighers
- Maximum platform size 10–50 kg: 400×400 mm
- Maximum platform size 100–500 kg: 800×800 mm
- 4-wire connection (10–50 kg)
- 6-wire connection (100–500 kg)
- Nominal sensitivity: 2 mV/V
- Note: Version in accordance with OIML R60 C4 or C5 on request

Model	Nominal load	Price
	kg	excl. of VAT ex works €
SAUTER		
CP 100-3P2	100	81,-
CP 150-3P2	150	81,-
CP 200-3P2	200	81,-
CP 300-3P2	300	81,-
CP 400-3P2	400	81,-
CP 500-3P2	500	81,-
<hr/>		
CP 50-3P8	50	123,-
CP 100-3P8	100	123,-
CP 150-3P8	150	123,-
CP 200-3P8	200	123,-
CP 250-3P8	250	123,-
CP 300-3P8	300	123,-
CP 500-3P8	500	123,-
CP 600-3P8	600	123,-

New model

Tip

Further details and technical data sheet as well as an extensive range of accessories can be found at www.sauter.eu

Model	Nominal load	Price
	kg	excl. of VAT ex works €
KERN		
CP 30-3P7	30	270,-
CP 50-3P7	50	270,-
CP 75-3P7	75	270,-
CP 100-3P7	100	270,-
CP 150-3P7	150	270,-

Model	Nominal load	Price
	kg	excl. of VAT ex works €
SAUTER		
CP 10-3P9	10	380,-
CP 20-3P9	20	380,-
CP 50-3P9	50	380,-
CP 100-3P9	100	570,-
CP 200-3P9	200	580,-
CP 300-3P9	300	580,-
CP 400-3P9	400	580,-
CP 500-3P9	500	580,-

ONLY WHILE STOCKS LAST!

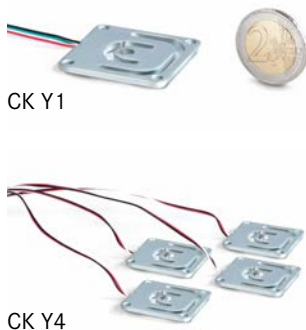
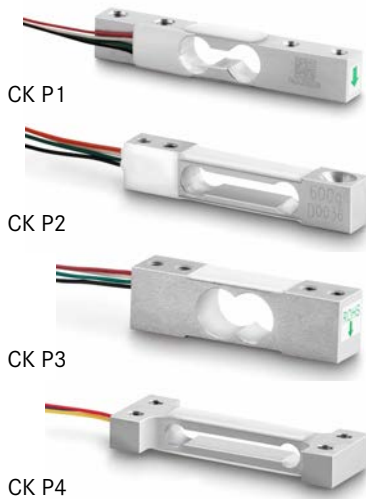
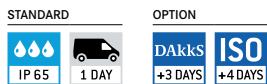


Fig. shows optional accessories, mounting kit SAUTER CE P4136

CK P1-4

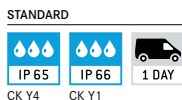
Miniature load cells made of aluminium



- Dust and spray protection to IP65 (in accordance with EN 60529)
- Aluminium
- High level of accuracy
- Suitable for small scales and kitchen scales and force-measuring devices
- 4-wire connection

CK Y1 · Y4

Flat miniature alloy steel load cells



- Accuracy class in accordance with OIML C1
- RoHS compliant
- High precision (comprehensive Error 0,05 % F.S.)
- Very low design
- Suitable for e.g. personal scales, kitchen scales, post scales or other scales with lowest installation height

CK Y1:

- Protection against dust and water splashes IP66
- Scope of delivery: 1 piece
- Full-bridge circuit (Junction box required for connecting several load cells)

CK Y4:

- Protection against dust and water splashes IP65
- Scope of delivery: 1 set (4 pieces)
- Quarter-bridge circuit: 4 load cells are connected to a full-bridge
- No junction box required
- Corner adjustment not possible

CD P1

Load cells made of stainless steel



- 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, funnel scales, vehicle testing equipment, test stands
- 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, € 98,-
- Pressure piece, steel, rustproof, suitable for CD 40-3P1, CD 50-3P1, SAUTER CE P10350, € 92,-
- Mounting kit, steel, rustproof, suitable for CD 10-3P1, CD 20-3P1, SAUTER CE P41430, € 660,-
- Mounting kit, steel, rustproof, suitable for CD 40-3P1, CD 50-3P1, SAUTER CE P14150, € 730,-

Model	Nominal load	Comprehensive Error	Price excl. of VAT ex works
SAUTER	kg		€
CK 600-0P1	0,6	0,03 %	33,-
CK 1-0P1	1	0,03 %	33,-
CK 2-0P1	2	0,03 %	33,-
CK 3-0P1	3	0,03 %	33,-
CK 5-0P1	5	0,03 %	33,-
CK 6-0P1	6	0,03 %	33,-
CK 300-0P2	0,3	0,03 %	49,-
CK 600-0P2	0,6	0,03 %	49,-
CK 1000-0P3*	1	0,1 %	27,-
CK 100-0P4	0,1	0,05 %	44,-
CK 120-0P4	0,12	0,05 %	44,-
CK 300-0P4	0,3	0,05 %	44,-
CK 500-0P4	0,5	0,05 %	44,-

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Model	Nominal load	Price excl. of VAT ex works
SAUTER	kg	€
CK 10-Y1	10	23,-
CK 30-Y1	30	23,-
CK 10-Y4	10	23,-
CK 30-Y4	30	25,-
CK 50-Y4	50	25,-

Model	Nominal load	Price excl. of VAT ex works
SAUTER		€
CD 10-3P1	10 t/100 kN	460,-
CD 20-3P1	20 t/200 kN	460,-
CD 40-3P1	40 t/400 kN	460,-
CD 50-3P1	50 t/500 kN	460,-

* up to max. 25 t/250 kN

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Tip

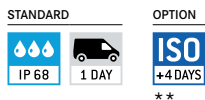
- Further details and technical data sheet as well as an extensive range of accessories can be found at www.sauter.eu



Fig. shows accessories, load corner **1** SAUTER CE Q42901, for further accessories please visit our online shop

CR Q1

Load cells made of stainless steel



- 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: Weight measurement as well as compressive force
- Suitable for vehicle scales, funnel scales, vehicle testing equipment, test stands
- Nominal sensitivity: 2 mV/V

Accessories CR Q1:

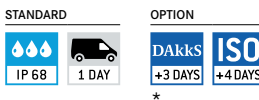
- **1** Load corner, steel, galvanised, suitable for CR Q1 with nominal load ≤ 10 t, SAUTER CE Q42901, **€ 265,-**
- Load corner, steel, galvanised, suitable for CR Q1 with nominal load ≥ 20 t, SAUTER CE Q42902, **€ 420,-**
- Load corner, steel, rustproof, suitable for CR Q1 with nominal load ≤ 10 t, SAUTER CE RQ42901, **€ 475,-**
- Load corner, steel, rustproof, suitable for CR Q1 with nominal load ≥ 20 t, SAUTER CE RQ42902, **€ 810,-**

Model	Nominal load	Price excl. of VAT ex works
SAUTER		€
CR 2500-1Q1	2,5 t/25 kN	285,-
CR 5000-1Q1	5 t/50 kN	285,-
CR 10000-1Q1	10 t/100 kN	285,-
CR 20000-1Q1	20 t/200 kN	560,-
CR 30000-1Q1	30 t/300 kN	560,-

** up to max. 25 t/250 kN

CR P1

Load cells made of stainless steel



- 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 truck scales, suspended scales, silo scales and other diverse scales, test stands, etc.
- Nominal sensitivity: 1–2 mV/V, depending on nominal load

Accessories CR P1:

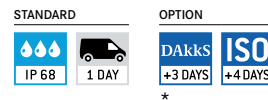
- Load corner for CR 1000-3P1, CR 250-3P1, CR 500-3P1 Steel, incl. pressure piece, SAUTER CE P244011, **€ 600,-**
- Pressure piece for CR 1000-3P1, CR 250-3P1, CR 500-3P1 steel, SAUTER CE P244012, **€ 115,-**
- Load corner for CR 2000-3P1 steel, rustproof, incl. pressure piece, SAUTER CE P244021, **€ 720,-**
- Pressure piece for CR 2000-3P1 steel, rustproof SAUTER CE P244022, **€ 125,-**

Model	Nominal load	Price excl. of VAT ex works
SAUTER		€
CR 60-3P1	60 kg/0,6 kN	930,-
CR 130-3P1	130 kg/1,3 kN	980,-
CR 250-3P1	250 kg/2,5 kN	980,-
CR 500-3P1	500 kg/5 kN	860,-
CR 1000-3P1	1000 kg/10 kN	860,-
CR 2000-3P1	2000 kg/20 kN	860,-

* up to max. 500 kg/5 kN

CR Y1

Load cells made of alloyed steel



- 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 stands
- Force transmission via pressure piece or threaded hole
- Nominal sensitivity: 2 mV/V
- Pressure piece included in delivery
- Thread for pressure piece or other force application: up to 5000 kg M16×1,5, from 10000 kg M32×1,5

Model	Nominal load	Price excl. of VAT ex works
SAUTER		€
CR 500-1Y1	0,5 t/5 kN	270,-
CR 1000-1Y1	1 t/10 kN	270,-
CR 5000-1Y1	5 t/50 kN	270,-
CR 10000-1Y1	10 t/100 kN	430,-
CR 20000-1Y1	20 t/200 kN	430,-

* up to max. 500 kg/5 kN

Tip

- Further details and technical data sheet as well as an extensive range of accessories can be found at www.sauter.eu



Fig. shows accessories, base plate 1 SAUTER CE Q30903 and bearings 2 SAUTER CE Q30904, for further accessories please visit our online shop



Fig. shows optional accessories load corner 3 SAUTER CE P4022

CB Q1 · CB Q2

Bending beam and shear beam load cells made of stainless steel



- 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, floor scales and other weighing devices
- 4-wire connection
- Nominal sensitivity: 2 mV/V
- Note: Accuracy class OIML R60 C6 or EX version on request

* up to max. 500 kg

Model	Nominal load kg	Price excl. of VAT ex works €
SAUTER		
CB 5-3Q1	5	230,-
CB 10-3Q1	10	230,-
CB 20-3Q1	20	230,-
CB 30-3Q1	30	230,-
CB 50-3Q1	50	230,-
CB 75-3Q1	75	230,-
CB 100-3Q1	100	230,-
CB 150-3Q1	150	230,-
CB 200-3Q1	200	230,-
CB 250-3Q1	250	230,-
CB 300-3Q1	300	230,-
CB 500-3Q1	500	230,-
CB 750-3Q2**	750	240,-
CB 1000-3Q2**	1000	240,-
CB 1500-3Q2**	1500	240,-

11 ** ONLY WHILE STOCKS LAST!

CB P1

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), hermetically encapsulated
- Nickel-plated steel
- Area of application: Weight measurement as well as compressive force in harsh environments
- Suitable for platform scales, silo scales, bed scales and other diverse scales
- 4-wire connection
- Nominal sensitivity: 3 mV/V

Model	Nominal load kg	Price excl. of VAT ex works €
SAUTER		
CB 100-3P1	100	114,-
CB 250-3P1	250	114,-

Accessories CB Q1 · CB Q2:

- Traction device, steel, galvanised, suitable for CB Q1, SAUTER CE Q30901, € 85,-
- Traction device, steel, rustproof, suitable for CB Q2, SAUTER CE Q34905, € 90,-
- 1 Base plate, steel, galvanised, suitable for CB Q1, SAUTER CE Q30903, € 100,-
- Base plate, steel, rustproof, suitable for CB Q1, SAUTER CE RQ30903, € 190,-
- Base plate, steel, rustproof, suitable for CB Q2, SAUTER CE Q34903, € 95,-
- 2 Bearing, steel, rustproof, suitable for CB Q1 (nominal load 5 kg-50 kg), SAUTER CE Q30904, € 120,-
- Bearing, steel, rustproof, suitable for CB Q1 (nominal load 75 kg-300 kg), SAUTER CE Q30905, € 120,-
- Bearing, steel, rustproof, suitable for CB 500-3Q1, SAUTER CE Q30906, € 205,-
- Bearing, steel, rustproof, suitable for CB 750-3Q2, CB 1000-3Q2, CB 1500-3Q2, SAUTER CE Q34906, € 190,-
- Load corner, steel, galvanised, suitable for CB Q1, SAUTER CE Q30907, € 220,-
- Load corner, steel, rustproof, suitable for CB Q1, SAUTER CE RQ30907, € 315,-
- Adjustable foot, steel, rustproof, suitable for SAUTER CE Q34901, € 70,-

Accessories CB P1:

- Adjustable foot, steel, nickel-plated, load base M12 for CT 500-3P1, CT 1000-3P1 and CT 1500-3P1, SAUTER CE P2012, € 27,-
- 3 Load corner, steel, nickel-plated for CT 500-3P1, CT 1000-3P1 and CT 1500-3P1, SAUTER CE P4022, € 195,-
- Spacer plates for bending beam CB P1 made of steel, SAUTER CE P3012, € 9,-

Tip

- Further details and technical data sheet as well as an extensive range of accessories can be found at www.sauter.eu



Fig. shows optional accessories load corner 1 SAUTER CE RQ35903



Fig. shows optional accessories load corner 2 SAUTER CE P4022

CT Q1

Shear beam made of stainless steel

STANDARD

- IP 68
- IP 69K
- 1 DAY

OPTION

- DAkkS +3 DAYS
- ISO +4 DAYS

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

Model	Nominal load	Price
SAUTER	kg	excl. of VAT ex works €
CT 300-3Q1	300	220,-
CT 500-3Q1	500	220,-
CT 750-3Q1	750	220,-
CT 1000-3Q1	1000	220,-
CT 1500-3Q1	1500	220,-
CT 2000-3Q1	2000	220,-
CT 3000-3Q1	3000	435,-
CT 5000-3Q1	5000	435,-
CT 7500-3Q1	7500	570,-
CT 10000-3Q1	10000	570,-

* up to max. 500 kg

CT P1 · CT P2

Load cells made of stainless steel

STANDARD

- IP 67
- M
- 1 DAY

OPTION

- DAkkS +3 DAYS
- ISO +4 DAYS

- 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
- 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

Model	Nominal load	Price
SAUTER	kg	excl. of VAT ex works €
CT 500-3P1	500	98,-
CT 1000-3P1	1000	98,-
CT 1500-3P1	1500	98,-
CT 2500-3P1	2500	119,-
CT 3000-3P1	3000	119,-
CT 5000-3P1	5000	119,-
CT 10000-3P1	10000	173,-
CT 500-3P2	500	103,-
CT 1000-3P2	1000	103,-
CT 3000-3P2	3000	125,-
CT 5000-3P2	5000	124,-
CT 10000-3P2	10000	178,-

* up to max. 500 kg

Accessories CT Q1:

- Base plate, steel, rustproof, suitable for CT Q1, SAUTER CE RQ35911, € 200,-
- Base plate, steel, rustproof, suitable for CT 3000-3Q1, CT 5000-3Q1, SAUTER CE RQ35912, € 200,-
- Base plate, steel, rustproof, suitable for CT 7500-3Q1, CT 10000-3Q1, SAUTER CE RQ35919, € 860,-
- Bearing, steel, rustproof, suitable for CT Q1, SAUTER CE RQ35909, € 165,-
- Bearing, steel, rustproof, suitable for CT 3000-3Q1, CT 5000-3Q1, SAUTER CE RQ35910, € 320,-
- Bearing, steel, rustproof, suitable for CT 7500-3Q1, CT 10000-3Q1, SAUTER CE RQ35918, € 390,-
- Load corner, steel, rustproof, suitable for CT Q1, SAUTER CE RQ35902, € 420,-
- Load corner, steel, rustproof, suitable for CT 3000-3Q1, CT 5000-3Q1, SAUTER CE RQ35903, € 620,-

Accessories CT P1 · CT P2:

- Load corner, steel, rustproof, suitable for CT 10000-3P1, CT 10000-3P2, SAUTER CE P40210, € 510,-
- Load corner, steel, nickel-plated, suitable for CT 500-3P1, CT 1000-3P1, CT 1500-3P1, SAUTER CE P4022, € 195,-
- Load corner, steel, nickel-plated, suitable for CT 2500-3P1, CT 3000-3P1, CT 5000-3P1, SAUTER CE P4025, € 260,-
- Adjustable foot, steel, rustproof, suitable for CT 500-3P1, CT 1000-3P1, CT 1500-3P1, SAUTER CE P2012, € 27,-
- Adjustable foot, steel, rustproof, suitable for CT 2500-3P1, CT 3000-3P1, CT 5000-3P1, SAUTER CE P2018, € 38,-
- Adjustable foot, steel, rustproof, suitable for CT 10000-3P1, SAUTER CE P2024, € 113,-
- Spacer plate for CT 500-3P1, CT 500-3P2, CT 1000-3P1, CT 1000-3P2 and CT 1500-3P1, SAUTER CE P3012, € 9,-
- Spacer plate for CT 2500-3P1, CT 3000-3P1, CT 3000-3P2, CT 5000-3P1 and CT 5000-3P2 SAUTER CE P3015, € 8,-
- Spacer plate for CT 10000-3P1 and CT 10000-3P2 SAUTER CE P30110, € 27,-

Tip

Further details and technical data sheet as well as an extensive range of accessories can be found at www.sauter.eu



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



Fig. shows optional accessories traction device SAUTER CE Q12, for further accessories please visit our online shop



CS P2 0,5-7,5 t

CS P2 50-250 kg

CS P1

4-wire “S” load cells made of nickel-plated steel for force and mass measurement

STANDARD: IP 67, 1 DAY
 OPTION: DAKkS +3 DAYS, ISO +4 DAYS

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- 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 handling scales, funnel scales and other weighing devices as well as force measurement devices and test stands
- 4-wire connection***
- Note: EX version and accuracy class C4 on request
- Nominal sensitivity: 2 mV/V

CS Q1

6-wire “S” load cells made of nickel-plated steel for force and mass measurement

STANDARD: IP 67, 1 DAY
 OPTION: DAKkS +3 DAYS, ISO +4 DAYS

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Dust and spray protection to IP67 (in accordance with EN 60529), hermetically encapsulated
- Nickel-plated steel
- Scope of application: for tensile and compressive force measurement
- Suitable for handling scales, funnel scales and other weighing devices as well as force measurement devices and test stands
- 6-wire connection***
- Nominal sensitivity: 2 mV/V

CS P2

“S” load cells/load cells made of stainless steel

STANDARD: IP 68, 1 DAY
 OPTION: DAKkS +3 DAYS, ISO +4 DAYS

- Accuracy in accordance with OIML C3
- RoHS compliant
- Dust and spray protection to IP68
- Stainless steel
- Scope of application: Weight measurement as well as force
- Suitable for handling scales, silo scales, force test stands and other diverse scales
- 4-wire connection***
- Nominal sensitivity: 2 mV/V

Model	Nominal load	Price excl. of VAT ex works €
SAUTER		
CS 25-3P1	25 kg/250 N	200,-
CS 50-3P1	50 kg/500 N	200,-
CS 100-3P1	100 kg/1 kN	200,-
CS 150-3P1	150 kg/1,5 kN	200,-
CS 250-3P1	250 kg/2,5 kN	200,-
CS 500-3P1	500 kg/5 kN	200,-
CS 600-3P1	600 kg/6 kN	200,-
CS 750-3P1	750 kg/7,5 kN	200,-
CS 1000-3P1	1 t/10 kN	230,-
CS 1500-3P1	1.5 t/15 kN	230,-
CS 2000-3P1	2 t/20 kN	260,-
CS 2500-3P1	2.5 t/25 kN	260,-
CS 5000-3P1	5 t/50 kN	260,-
CS 7500-3P1	7.5 t/75 kN	530,-
CS 10000-3P1	10 t/100 kN	530,-
CS 15000-3P1	15 t/150 kN	690,-
CS 20000-3P1	20 t/200 kN	760,-
CS 30000-3P1	30 t/300 kN	1950,-

* up to max. 500 kg/5 kN, ** up to max. 25 t/250 kN

Model	Nominal load	Price excl. of VAT ex works €
SAUTER		
CS 50-3Q1	50 kg/500 N	215,-
CS 100-3Q1	100 kg/1 kN	215,-
CS 150-3Q1	150 kg/1,5 kN	215,-
CS 200-3Q1	200 kg/2 kN	215,-
CS 300-3Q1	300 kg/3 kN	215,-
CS 500-3Q1	500 kg/5 kN	215,-
CS 750-3Q1	750 kg/7,5 kN	215,-
CS 1000-3Q1	1 t/10 kN	215,-
CS 1500-3Q1	1.5 t/15 kN	250,-
CS 2000-3Q1	2 t/20 kN	250,-
CS 3000-3Q1	3 t/30 kN	370,-
CS 5000-3Q1	5 t/50 kN	370,-
CS 6000-3Q1	6 t/60 kN	370,-

* up to max. 500 kg/5 kN, ** up to max. 12 t/120 kN

Model	Nominal load	Price excl. of VAT ex works €
SAUTER		
CS 50-3P2	50 kg/500 N	430,-
CS 100-3P2	100 kg/1 kN	460,-
CS 250-3P2	250 kg/2,5 kN	430,-
CS 500-3P2	500 kg/5 kN	335,-
CS 1000-3P2	1 t / 10 kN	340,-
CS 2000-3P2	2 t/20 kN	340,-
CS 5000-3P2	5 t/50 kN	405,-
CS 7500-3P2	7.5 t/75 kN	405,-

* up to max. 500 kg/5 kN

*** With 6-wire measuring circuits, the cable can be shortened without affecting the temperature compensation and the actual characteristic value. For 4-wire measuring circuits the cable length should not be changed

Tip

Further details and technical data sheet as well as an extensive range of accessories can be found at www.sauter.eu



CS Y1



CO Y1



CO Y2/CO Y3



CO Y4



CS Y1

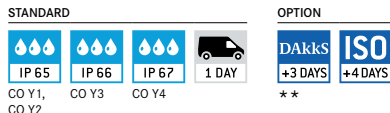
Miniature “S” load cells/load cells made of stainless steel



- High precision (comprehensive Error 0,05 % F.S.)
- RoHS compliant
- Dust and spray protection to IP65
- Stainless steel
- Scope of application: for tensile and compressive force measurement, Weight measurement as well as force
- Suitable for force test stands, handing scales, silo scales and other diverse scales
- Nominal sensitivity: 1,3 – 2 mV/V, depending on nominal load

CO Y1 – Y4

Miniature button-type load cells made of stainless steel



- CO Y1/CO Y4:**
- RoHS compliant
 - Dust and spray protection to IP65/IP67
 - Scope of application: compressive force applications
 - Suitable for Weight measurement as well as force and force test stands
 - Nominal sensitivity: 1.0 – 1.5 mV/V, depending on nominal load

- CO Y2/Y3:**
- RoHS compliant
 - Dust and spray protection to IP65/IP66
 - Scope of application: for tensile and compressive force measurement
 - Suitable for Weight measurement as well as force and force test stands
 - Nominal sensitivity: 1,5 – 2 mV/V, depending on nominal load

CO Y5

Tension and compression load cells made of stainless steel



- Accuracy in accordance with OIML R60 G1
- CE and RoHS compliant
- Dust and spray protection to IP66 (in accordance with EN60529)
- Stainless steel
- Very low design
- Suitable for test stands, force gauges, automation systems, etc.
- 4-wire connection
- Nominal sensitivity: CO 0.5-Y5, CO 1-Y5: 1 mV/V
CO 5-Y5, CO 10-Y5: 2 mV/V

Model	Nominal load	Price excl. of VAT ex works €
SAUTER		
CS 1-Y1	1 kg/ 10 N	345,-
CS 2-Y1	2 kg/20 N	345,-
CS 5-Y1	5 kg/50 N	345,-
CS 10-Y1	10 kg/100 N	345,-
CS 20-Y1	20 kg/200 N	345,-

Model	Nominal load	Price excl. of VAT ex works €
SAUTER		
CO 10-Y1	10 kg/100 N	170,-
CO 20-Y1	20 kg/200 N	170,-
CO 50-Y1	50 kg/500 N	170,-
CO 100-Y1	100 kg/1 kN	170,-
CO 200-Y1	200 kg/2 kN	170,-
CO 500-Y1	500 kg/5 kN	200,-
CO 1000-Y1	1000 kg/10 kN	200,-
CO 2000-Y1	2000 kg/20 kN	235,-
CO 10-Y2	10 kg/100 N	250,-
CO 20-Y2	20 kg/200 N	250,-
CO 50-Y2	50 kg/500 N	250,-
CO 100-Y2	100 kg/1 kN	310,-
CO 200-Y2	200 kg/2 kN	310,-
CO 500-Y2	500 kg/5 kN	310,-
CO 1000-Y2	1000 kg/10 kN	310,-
CO 2000-Y2	2000 kg/20 kN	345,-
CO 5-Y3	5 kg/50 N	380,-
CO 10-Y3	10 kg/100 N	380,-
CO 5-Y4	5 kg/50 N	235,-
CO 10-Y4	10 kg/100 N	230,-

Model	Nominal load	Price excl. of VAT ex works €
SAUTER		
CO 0.5-Y5	0,5 kg/5 N	365,-
CO 1-Y5	1 kg/10 N	365,-
CO 5-Y5	5 kg/50 N	365,-
CO 10-Y5	10 kg/100 N	365,-

** up to 500 kg/5 kN



CJ P4



CJ P6



CJ P4PG



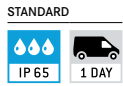
CJ X467



CJ X468

CJ P

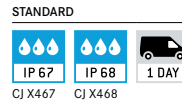
Junctionbox for connecting several measuring cells to one evaluation unit



- Prepared for 4-wire and 6-wire load cells
- Models available for 2, 4, 6 or 8 load cells
- Robust aluminium die-cast housing
- Protection against dust and spray IP65

CJ X

Junctionbox for connecting several measuring cells to one evaluation unit



- Prepared for 4-wire and 6-wire load cells
- Models available for 4 load cells

CJ X467:

- Robust stainless steel housing with protection against dust and water splashes IP67

CJ X468:

- Robust aluminium die-cast housing with protection against dust and water splashes IP68

Model	Number of connection options	Price excl. of VAT ex works €
SAUTER		
CJ P2	2	87,-
CJ P4	4	87,-
CJ P4PG	4	98,-
CJ P6 *	6	108,-
CJ P8 *	8	108,-

■ * ONLY WHILE STOCKS LAST!

Model	Number of connection options	Price excl. of VAT ex works €
SAUTER		
CJ X467	4	220,-
CJ X468	4	130,-

Tip

- Further details and technical data sheet as well as an extensive range of accessories can be found at www.sauter.eu

SAUTER GmbH – member of the KERN & SOHN Group, the assortment wide champion at the foot of the Swabian Alb

Sauter GmbH
 c/o KERN & SOHN GmbH
 Ziegelei 1
 72336 Balingen
 Germany
 Tel. +49 7433 9933-0
 info@sauter.eu



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