

LOAD CELLS

Industry | Laboratory | Quality Assurance



PROFESSIONAL MEASURING

PROFESSIONAL MEASURING

2025

SAUTER 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



Scan mode
Continuous capture and display 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 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/measuring instrument to a printer, PC or other peripherals



WIFI 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



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



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



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)



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



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



Printer
A printer can be connected to the device to print out the measurement data



Network interface
For connecting the scale/measuring 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. 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



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



ZERO
Resets the display to "0"



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



Rechargeable battery pack
Rechargeable set



Integrated power supply unit
Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or US on request



Motorised drive
The mechanical movement is carried out by an 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



Conformity assessment
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 (ISO)
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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SAUTER Hotlines



Technical questions about our products?

You will find assistance here quickly: +49 7433 9933 - ...

Service Hotline

for general technical questions about your SAUTER product

→ 199

SAUTER Measuring Instruments

for all technical questions concerning our SAUTER measuring instruments, test benches, force measuring accessories (clamps etc.), SAUTER software

→ 555

Industrial Scales

for all technical questions concerning our basic scales (laboratory & industry), pocket balances, school balances, bench scales, price-computing scales, platform scales, counting scales, counting systems, floor scales, pallet truck scales, crane scales, veterinary scales

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System Solutions Industry 4.0

for all technical questions concerning the interlocking of the latest information and communication technology with our scales, load cells and measuring devices as well as questions about KERN software

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Tip: Analogue torque sensors are compatible with the SAUTER CE HSx display device (rail-mounted module)

DC Y1
Static torque sensor made from alloy steel

Technical data

- 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
- Cable length approx. 2 m

DC Y2
Static torque sensor made from alloy steel

Technical data

- High precision (comprehensive Error 0,5 % F.S.)
- RoHS compliant
- Protection against dust and water splashes 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
- Cable length approx. 2 m

Other designs and nominal loads on request

STANDARD



STANDARD



OPTION



Model	Nominal load	Price excl. of VAT ex works
SAUTER	Nm	€
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	Price excl. of VAT ex works
SAUTER	Nm	€
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 on the *internet*



CP P4 · CP Y4
Single-point load cell
made of anodised aluminium

Technical data

- CP P4: Accuracy in accordance with OIML R60 C3
- CP Y4: Accuracy in accordance with OIML R60 C2
- CE and RoHS compliant
- Protection against dust and water splashes IP65 (in accordance with EN 60529)
- Aluminium, anodised
- Suitable for price-computing scales, bench scales, platform scales, etc.
- Maximum platform size: 200×200 mm
- Nominal sensitivity: 0,9 mV/V
- 4-wire connection
- Cable length approx. 0,4 m

CP P1 · CP Y1
Single-point load cell
made of anodised aluminium

Technical data

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

CP P3
Single-point load cell
made of anodised aluminium

Technical data

- Accuracy in accordance with OIML R60 C3
- CE and RoHS compliant
- Protection against dust and water splashes IP65 (in accordance with EN 60529)
- Aluminium, anodised
- Suitable for price-computing scales, bench scales, platform scales, etc.
- Maximum platform size: 350×400 mm
- Nominal sensitivity: 2 mV/V
- 4-wire connection
- Cable length approx. 3 m
- Note: Version in accordance with OIML R60 C4 or C5 on request

STANDARD OPTION

IP 65 1 DAY DAKKS ISO
+3 DAYS +4 DAYS

STANDARD OPTION

IP 65 M 1 DAY DAKKS ISO
+3 DAYS +4 DAYS

CP P1

STANDARD OPTION

IP 65 1 DAY DAKKS ISO
+3 DAYS +4 DAYS

Model	Nominal load kg	Price excl. of VAT ex works €
SAUTER		
CP 300-0P4	0,3	65,-
CP 600-0P4	0,6	65,-
ECO design		
CP 300-0Y4	0,3	55,-
CP 1500-0Y4	1,5	55,-
CP 3000-0Y4	3	55,-

Model	Nominal load kg	Cable length m	Price excl. of VAT ex works €
SAUTER			
CP 3-3P1	3	0,4	60,-
CP 3-2-3P1	3	2	74,-
CP 5-3P1	5	0,4	60,-
CP 6-3P1	6	0,4	60,-
CP 8-3P1	8	0,4	60,-
CP 10-3P1	10	0,4	60,-
CP 10-3-3P1	10	3	78,-
CP 15-3P1	15	0,4	60,-
CP 15-3-3P1	15	3	78,-
CP 20-3P1	20	0,4	60,-
CP 30-3P1	30	0,4	60,-
CP 35-3P1	35	0,4	60,-
CP 35-3-3P1	35	3	78,-
CP 40-3P1	40	0,4	60,-
CP 50-3P1	50	0,4	60,-
CP 50-2-3P1	50	2	74,-
ECO design (without EC type approval)			
CP 3-2Y1	3	0,45	33,-
CP 5-2Y1	5	0,45	33,-
CP 10-2Y1	10	0,45	33,-
CP 15-2Y1	15	0,45	33,-
CP 20-2Y1	20	0,45	33,-
CP 30-2Y1	30	0,45	33,-
CP 100-3-3Y1 <small>NEW</small>	100	3	50,-

NEW New model

Model	Nominal load kg	Price excl. of VAT ex works €
SAUTER		
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 on the *internet*



CP P2
Single-point load cell
made of aluminium

Technical data

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Protection against dust and water splashes IP65 (in accordance with EN 60529)
- Aluminium alloy, anodized
- Suitable for price computing scales, bench scales etc.
- Maximum platform size
CP P2, 100 – 300 kg: 400×400 mm
CP P2, 400 – 500 kg: 450×450 mm
- CP P2: 4-wire connection
- Nominal sensitivity: 2 mV/V
- Cable length
CP P2: 2 m
- Note: Version in accordance with OIML R60 C4 or C5 on request

CP P7
Single-Point load cell
made from stainless steel

Technical data

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Protection against dust and water splashes IP67 (in accordance with EN 60529)
- Stainless steel
- Area of application: Mass as well as compressive force measurement in harsh environmental conditions
- Suitable for price computing scales, bench scales etc.
- Maximum platform size: 400×400 mm
- 6-wire connection
- Nominal sensitivity: 2 mV/V
- Cable length: 1 m
- Note: Version in accordance with OIML R60 C4 on request

CP P8
Single-point load cell
made of aluminium

Technical data

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Protection against dust and water splashes IP65 (in accordance with EN 60529)
- Aluminium alloy, anodized
- Suitable for price computing scales, bench scales etc.
- Maximum platform size 600×600 mm
- 6-wire connection
- Nominal sensitivity: 2 mV/V
- Cable length 3 m
- Note: Version in accordance with OIML R60 C4 or C5 on request

Tip: Further details and technical data sheet as well as an extensive range of accessories can be found on the *internet*

STANDARD OPTION

IP 65 1 DAY DAkkS ISO
+3 DAYS +4 DAYS

STANDARD OPTION

IP 67 1 DAY DAkkS ISO
+3 DAYS +4 DAYS

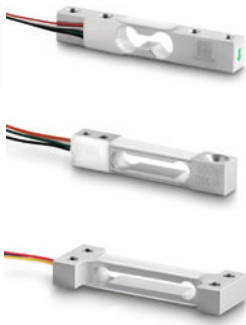
STANDARD OPTION

IP 65 1 DAY DAkkS ISO
+3 DAYS +4 DAYS

Model	Nominal load	Price excl. of VAT ex works
SAUTER	kg	€
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,-

Model	Nominal load	Price excl. of VAT ex works
SAUTER	kg	€
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 excl. of VAT ex works
SAUTER	kg	€
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,-



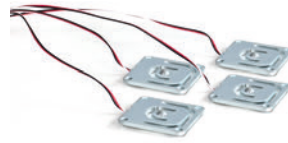
CK P1

CK P2

CK P4



CK Y1



CK Y4



CK P1 · CK P2 · CK P4 Miniature load cell made of aluminium

Technical data

- High level of accuracy
- Comprehensive error
CK P1 / CK P2: 0,03 %
CK P4: 0,05 %
- Protection against dust and water splashes
IP65 (in accordance with EN 60529)
- Aluminium
- Suitable for small scales and kitchen scales
and force-measuring devices
- Cable length: 0,25 m

CK Y1 · CK Y4 Flat miniature alloy steel load cell

Technical data

- Accuracy in accordance with OIML C1
- RoHS compliant
- High precision
(comprehensive Error 0,05 % F.S.)
- Very low design
- Ideal, for example, for the construction
of personal floor scales, kitchen scales,
postal scales or other scales with minimal
structural height
- Cable length: 0,45 m

CK Y1

- Protection against dust and
water splashes IP66
- Scope of delivery: 1 piece
- Full bridge circuit(junction box required
to connect several measuring cells)

CK Y4

- Protection against dust and
water splashes IP65
- Scope of delivery: 4 pieces
- Quarter bridge circuit: 4 weighing cells
are connected to a full bridge
- No junction box necessary
- No corner adjustment

CD P1 Loadcell made of stainless steel

Technical data

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Protection against dust and water splashes
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 stands
- Nominal sensitivity: 2 mV/V
- Cable length: 15 m
- Note: EX version or accuracy class C4 on
request

Accessories

- Pressure piece for CD 10-3P1, CD 20-3P1,
steel, stainless, SAUTER CE P10330, **€ 98,-**
- Pressure piece for CD 40-3P1, CD 50-3P1,
steel, stainless, SAUTER CE P10350, **€ 92,-**
- **1** Mounting kit, steel, stainless,
suitable for CD 10-3P1, CD 20-3P1,
SAUTER CE P41430, **€ 720,-**
- Mounting kit, steel, stainless,
suitable for CD 40-3P1, CD 50-3P1,
SAUTER CE P14150, **€ 730,-**

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Tip: Further details and technical data sheet
as well as an extensive range of accessories
can be found on the *internet*

STANDARD	OPTION
IP 65 1 DAY	DAkkS +3 DAYS ISO +4 DAYS

Model	Nominal load kg	Price excl. of VAT ex works €
SAUTER		
CK 600-0P1	0,6	33,-
CK 1-0P1	1	33,-
CK 2-0P1	2	33,-
CK 3-0P1	3	33,-
CK 5-0P1	5	33,-
CK 6-0P1	6	34,-
CK 300-0P2*	0,3	49,-
CK 600-0P2*	0,6	49,-
CK 300-0P4	0,3	44,-
CK 500-0P4	0,5	44,-

1 * ONLY WHILE STOCKS LAST

STANDARD	OPTION
IP 65 CK Y4	IP 66 CK Y1 1 DAY

Model	Nominal load kg	Price excl. of VAT ex works €
SAUTER		
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,-



STANDARD	OPTION
IP 68 M 1 DAY	ISO +4 DAYS [Max] ≤ 25 t/250 kN

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,-

1 ONLY WHILE STOCKS LAST



CR Q1 Loadcell made of stainless steel

Technical data

- Accuracy in accordance with OIML R60 C1
- RoHS compliant
- Protection against dust and water splashes 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 stands
- Nominal sensitivity: 2 mV/V
- Cable length 10 m

Accessories

- Load corner, steel, galvanised, suitable for CR Q1
 - [Max] ≤ 10 t: SAUTER CE Q42901, € 265,-
 - [Max] ≥ 20 t: SAUTER CE Q42902, € 420,-
- Load corner, steel, stainless, suitable for CR Q1
 - [Max] ≤ 10 t: SAUTER CE RQ42901, € 475,-
 - [Max] ≥ 20 t: SAUTER CE RQ42902, € 810,-



STANDARD OPTION

IP 68 1 DAY

ISO
+4 DAYS
[Max] ≤ 25 t/250 kN

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,-

CR P1 Loadcell made of stainless steel

Technical data

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Protection against dust and water splashes IP68 (in accordance with EN 60529), hermetically encapsulated
- Stainless steel
- Area of application: Measuring mass as well as compressive force
- Suitable for weighbridges, handing scales, silo scales and other types of balances, test stands, etc.
- Nominal sensitivity: 1 – 2 mV/V, depending on nominal load
- Cable length
 - [Max] ≤ 1000 kg: 3 m
 - [Max] ≥ 2000 kg: 6 m

Accessories

- 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, stainless incl. pressure piece, SAUTER CE P244021, € 720,-
- Pressure piece for CR 2000-3P1, steel, stainless, SAUTER CE P244022, € 125,-

STANDARD OPTION

IP 68 4 DAYS

DAkkS ISO
+3 DAYS +4 DAYS
[Max] ≤ 500 kg/5 kN

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	890,-
CR 500-3P1	500 kg/5 kN	860,-
CR 1000-3P1	1000 kg/10 kN	860,-
CR 2000-3P1	2000 kg/20 kN	860,-

■ ONLY WHILE STOCKS LAST

CR Y1 Loadcell made of steel alloy

Technical data

- Accuracy in accordance with OIML R60 C1
- RoHS compliant
- High precision comprehensive Error 0,05 % F.S.)
- Protection against dust and water splashes 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
- Cable length: 3 m
- Pressure piece included with delivery
- Thread for pressure piece or other force application:
 - up to 5000 kg M16×1,5,
 - from 10000 kg M32×1,5

Tip: Further details and technical data sheet as well as an extensive range of accessories can be found on the *internet*

STANDARD OPTION

IP 68 1 DAY

DAkkS ISO
+3 DAYS +4 DAYS
[Max] ≤ 500 kg/5 kN

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,-



CB Q1 · CB Q2

Bending beam and shear beam load cell made from stainless steel

Technical data

- Accuracy in accordance with OIML R60 C3
- CE and RoHS compliant
- Protection against dust and water splashes IP68/IP69K (in accordance with EN 60529), welded to create a hermetic seal
- Stainless steel
- Area of application: Measuring mass as well as compressive force in harsh environments
- Suitable for platform scales, weigh hoppers, floor scales and other weighing devices
- 4-wire connection
- Nominal sensitivity: 2 mV/V
- Cable length: 3 m
- Note: Accuracy class OIML R60 C6 or EX version on request

CB P1

Bending beams made from stainless steel

Technical data

- Accuracy in accordance with OIML R60 C3
- CE and RoHS compliant
- Protection against dust and water splashes IP67 (in accordance with EN 60529), hermetically encapsulated
- Nickel-plated steel
- Area of application: Measuring mass as well as compressive force in harsh environments
- Suitable for platform scales, silo scales, bed scales and other types of scales
- 4-wire connection
- Nominal sensitivity: 3 mV/V
- Cable length: 3 m

Accessories CB Q1 · CB Q2

- Traction device, steel, galvanised, suitable for CB Q1, SAUTER CE Q30901, **€ 85,-**
- Traction device, steel, stainless, suitable for CB Q2, SAUTER CE Q34905, **€ 90,-**
- **1** Base plate, steel, galvanised, suitable for CB Q1, SAUTER CE Q30903, **€ 100,-**
- Base plate, steel, stainless, suitable for CB Q1, SAUTER CE RQ30903, **€ 190,-**
- Base plate, steel, stainless, suitable for CB Q2, SAUTER CE Q34903, **€ 95,-**
- **1** Bearing, steel, stainless, suitable for CB Q1 5 – 50 kg, SAUTER CE Q30904, **€ 120,-** 75 – 300 kg, SAUTER CE Q30905, **€ 120,-** CB 500-3Q1, SAUTER CE Q30906, **€ 205,-**
- Bearing, steel, stainless, suitable for CB Q2, SAUTER CE Q34906, **€ 190,-**
- Load corner, steel, stainless, suitable for CB Q1, SAUTER CE RQ30907, **€ 315,-**
- Adjustable foot, steel, stainless, suitable for CB Q2, SAUTER CE Q34901, **€ 70,-**

Accessories CB P1

- Adjustable foot, steel, nickel-plated, M12 thread, suitable for CB P1, SAUTER CE P2012, **€ 27,-**
- **2** Load corner, steel, nickel-plated, suitable for CB P1, SAUTER CE P4022, **€ 195,-**
- Distance plate for bending beams CB P1 made from steel, SAUTER CE P3012, **€ 9,-**



STANDARD

IP 68 IP 69K 1 DAY

OPTION

DAkkS +3 DAYS ISO +4 DAYS

[Max] ≤ 500 kg



STANDARD

IP 67 M 1 DAY

OPTION

DAkkS +3 DAYS ISO +4 DAYS

Model	Nominal load	Price excl. of VAT ex works
SAUTER	kg	€
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,-

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

1 * ONLY WHILE STOCKS LAST



CT Q1
Shear beam
made from stainless steel

Technical data

- Accuracy in accordance with OIML R60 C3
- CE and RoHS compliant
- Protection against dust and water splashes IP68/IP69K (in accordance with EN 60529), welded to create a hermetic seal
- Stainless steel
- Area of application: Measuring mass as well as compressive force in harsh environments
- Suitable for platform scales, weigh hoppers, flush-mounted floor scales and other weighing devices
- 6-wire connection
- Nominal sensitivity: 2 mV/V
- Cable length: 5 m
- Note: EX version on request

CT P1 · CT P2
Shear beam
made from stainless steel

Technical data

- Accuracy in accordance with OIML R60 C3
- CE and RoHS compliant
- Protection against dust and water splashes IP67 (in accordance with EN 60529), welded to create a hermetic seal
- Nickel-plated steel
- Area of application: Measuring mass as well as compressive force in harsh environments
- Suitable for platform scales, weigh hoppers, flush-mounted floor scales and other weighing devices
- 4-wire connection
- Nominal sensitivity: 3 mV/V
- Cable length
[Max] ≤ 1000 kg: 4 m
[Max] ≥ 1500 kg: 6 m
- CT P2: Delivery with calibrated sensitivity, when ordering several cells

Accessories CT Q1

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

Accessories CT P1 · CT P2

- Load corner, steel, stainless, suitable for CT 10000-3P1, CT 10000-3P2, SAUTER CE P40210, **€ 510,-**
- **2** 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, nickel-plated, M12 thread, suitable for CT 500-3P1, CT 1000-3P1, CT 1500-3P1, SAUTER CE P2012, **€ 27,-**
- Adjustable foot, steel, nickel-plated, M18 thread, suitable for CT 2500-3P1, CT 3000-3P1, CT 5000-3P1, SAUTER CE P2018, **€ 38,-**
- Adjustable foot, steel, nickel-plated, M24 thread, suitable for CT 10000-3P1, SAUTER CE P2024, **€ 113,-**
- Distance plate, suitable for CT 500-3P1, CT 500-3P2, CT 1000-3P1, CT 1000-3P2, CT 1500-3P1: SAUTER CE P3012, **€ 9,-**
- CT 2500-3P1, CT 3000-3P1, CT 3000-3P2, CT 5000-3P1, CT 5000-3P2: SAUTER CE P3015, **€ 10,-**
- CT 10000-3P1, CT 10000-3P2: SAUTER CE P30110, **€ 27,-**



STANDARD: IP 68, IP 69K, 1 DAY

OPTION: DAKkS +3 DAYS, ISO +4 DAYS
[Max] ≤ 500 kg

Model	Nominal load kg	Price excl. of VAT ex works €
SAUTER		
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,-



STANDARD: IP 67, M, 1 DAY

OPTION: DAKkS +3 DAYS, ISO +4 DAYS
[Max] ≤ 500 kg

Model	Nominal load kg	Price excl. of VAT ex works €
SAUTER		
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 5000-3P2	5000	124,-
CT 3000-3P2	3000	125,-
CT 10000-3P2	10000	178,-



CS P1
4-wire “S” measuring cell
made of nickel-plated steel
for force and mass measurement

Technical data

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Protection against dust and water splashes IP67 (in accordance with EN 60529), welded to create a hermetic seal
- Nickel-plated steel
- Area of application: for tensile and compressive force measurement
- Suitable for handling scales, weigh hoppers and other weighing devices as well as force measurement devices and test stands
- **1** 4-wire connection
- Nominal sensitivity: 2 mV/V
- Cable length
 [Max] ≤ 1500 kg: 3 m
 [Max] ≥ 2000 kg: 6 m
- Note: EX version or accuracy class C4 on request

CS Q1
6-wire “S” measuring cell
made of nickel-plated steel
for force and mass measurement

Technical data

- Accuracy in accordance with OIML R60 C3
- RoHS compliant
- Protection against dust and water splashes IP67 (in accordance with EN 60529), ermetically encapsulated
- Nickel-plated steel
- Area of application: for tensile and compressive force measurement
- Suitable for handling scales, weigh hoppers and other weighing devices as well as force measurement devices and test stands
- **1** 6-wire connection
- Nominal sensitivity: 2 mV/V
- Cable length: 5 m

1 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

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STANDARD: IP 67, 1 DAY

OPTION: DAkkS +3 DAYS, ISO +4 DAYS

[Max] ≤ 500 kg/5 kN, [Max] ≤ 25 t/250 kN

STANDARD: IP 67, 1 DAY

OPTION: DAkkS +3 DAYS, ISO +4 DAYS

[Max] ≤ 500 kg/5 kN, [Max] ≤ 12 t/120 kN

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,-

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,-



CO Y1



CO Y2/CO Y3

CO Y4



CS Y1
Miniature "S"-load/force measuring cell made of stainless steel

Technical data

- High precision (comprehensive Error 0,05 % F.S.)
- Accuracy in accordance with OIML C1
- RoHS compliant
- Protection against dust and water splashes IP65
- Stainless steel
- Area of application: Tensile and compressive applications, mass and force measurement
- Suitable for force test stands, hanging scales, silo scales and various other balances
- 4-wire connection
- Nominal sensitivity: 1,3 – 2 mV/V, depending on nominal load
- Cable length: 2 m

CO Y1 · CO Y2 · CO Y3 · CO Y4
Miniature cylindrical load cell made from stainless steel

Technical data

- RoHS compliant
 - Suitable for weight measurement as well as force and force test stands
 - 4-wire connection
- CO Y1 · CO Y4**
- High precision (comprehensive Error 0,5 % F.S.)
 - Accuracy in accordance with OIML G5
 - Area of application: Compressive applications
 - Nominal sensitivity: 1,0 – 1,5 mV/V, depending on nominal load
- CO Y2 · CO Y3**
- High level of accuracy, Comprehensive error CO Y2: 0,5 % F. S. | CO Y3: 0,1 % F. S.
 - Accuracy in accordance with OIML G5 (CO Y2) | G10 (CO Y3)
 - Area of application: Tensile and compressive applications
 - Nominal sensitivity: 1,5 – 2 mV/V, depending on nominal load
 - Cable length: 2 m

CO Y5
Tension and compression force measuring cell made from stainless steel

Technical data

- Accuracy in accordance with OIML R60 G1
- CE and RoHS compliant
- Protection against dust and water splashes IP66 (in accordance with EN 60529)
- 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
- Cable length: 2 m

STANDARD OPTION

IP 65 1 DAY ISO
+4 DAYS

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,-

STANDARD OPTION

IP 65 IP 66 IP 67 1 DAY DAkkS ISO
+3 DAYS +4 DAYS

CO Y1, CO Y2 CO Y3 CO Y4 [Max] ≤ 500 kg/5 kN

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,-
<hr/>		
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,-
<hr/>		
CO 5-Y3*	5 kg/50 N	380,-
CO 10-Y3*	10 kg/100 N	380,-
<hr/>		
CO 5-Y4*	5 kg/50 N	235,-
CO 10-Y4*	10 kg/100 N	230,-

* ONLY WHILE STOCKS LAST

STANDARD OPTION

IP 66 1 DAY DAkkS ISO
+3 DAYS +4 DAYS

[Max] ≤ 1 kg/10 N

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,-



CJ P4



CJ P4PG



CJ X467



CJ X468

CJ P

Junction box for the connection of several measuring cells to an evaluation unit

Features

- Prepared for 4-wire and 6-wire measuring cells
- The robust aluminium diecast housing
- Protection against dust and water splashes IP65

CJ X

Junction box for the connection of several measuring cells to an evaluation unit

Features

- Prepared for 4-wire and 6-wire measuring cells

CJ X467

- Robust housing made of stainless steel with IP67 dust and spray protection

CJ X468

- The robust aluminium diecast housing, Protection against dust and water splashes IP68

STANDARD



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

I * ONLY WHILE STOCKS LAST

STANDARD



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 on the *internet*

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