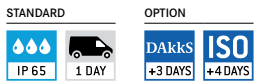Load Cells SAUTER CP P4 · CP Y4 · CP P1 · CP Y1 · CP P3

CP P4 · CP Y4
Single-point load cells 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
- 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
- Cable length approx. 0,4 m

CP P1 · CP Y1
Single-point load cells 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
- 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

CP P3
Single-point load cells made of anodised aluminium

Technical data

- 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
- Cable length approx. 3 m

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

Model	Nominal load
SAUTER	**kg**
CP 300-0P4	0,3
CP 600-0P4	0,6

Model	Nominal load
SAUTER	**kg**
ECO design	
CP 300-0Y4	0,3
CP 1500-0Y4	1,5
CP 3000-0Y4	3

STANDARD			OPTION	
IP 65	M CP P1	1 DAY	DAkkS +3 DAYS	ISO +4 DAYS

Model	Nominal load	Cable length
SAUTER	**kg**	**m**
CP 3-3P1	3	0,4
CP 3-2-3P1 [NEW]	3	2
CP 5-3P1	5	0,4
CP 6-3P1	6	0,4
CP 8-3P1	8	0,4
CP 10-3P1	10	0,4
CP 10-3-3P1 [NEW]	10	3
CP 15-3P1	15	0,4
CP 15-3-3P1 [NEW]	15	3
CP 20-3P1	20	0,4
CP 30-3P1	30	0,4
CP 35-3P1	35	0,4
CP 35-3-3P1 [NEW]	35	3
CP 40-3P1	40	0,4
CP 50-3P1	50	0,4
CP 50-2-3P1 [NEW]	50	2

[NEW] **New model**

Model	Nominal load	Cable length
SAUTER	**kg**	**m**
ECO design (without EC type approval)		
CP 3-2Y1	3	0,4
CP 5-2Y1	5	0,4
CP 10-2Y1	10	0,4
CP 15-2Y1	15	0,4
CP 20-2Y1	20	0,4
CP 30-2Y1	30	0,4

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

Model	Nominal load
SAUTER	**kg**
CP 30-3P3	30
CP 40-3P3	40
CP 50-3P3	50
CP 75-3P3	75
CP 100-3P3	100

! Tip

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

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 de-centralised 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/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

Plug-in power supply
230V/50Hz in standard version for EU. On request GB, AUS or US version available

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 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

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