

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

STANDARD	OPTION
IP 65 1 DAY	+3 DAYS +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

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

STANDARD	OPTION
IP 65 M 1 DAY	+3 DAYS +4 DAYS

CP P1

Model	Nominal load	Cable length
SAUTER	kg	m
CP 3-3P1	3	0,4
CP 3-2-3P1	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	10	3
CP 15-3P1	15	0,4
CP 15-3-3P1	15	3
CP 20-3P1	20	0,4
CP 30-3P1	30	0,4
CP 35-3P1	35	0,4
CP 35-3-3P1	35	3
CP 40-3P1	40	0,4
CP 50-3P1	50	0,4
CP 50-2-3P1	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

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	+3 DAYS +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 www.imlab.eu

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