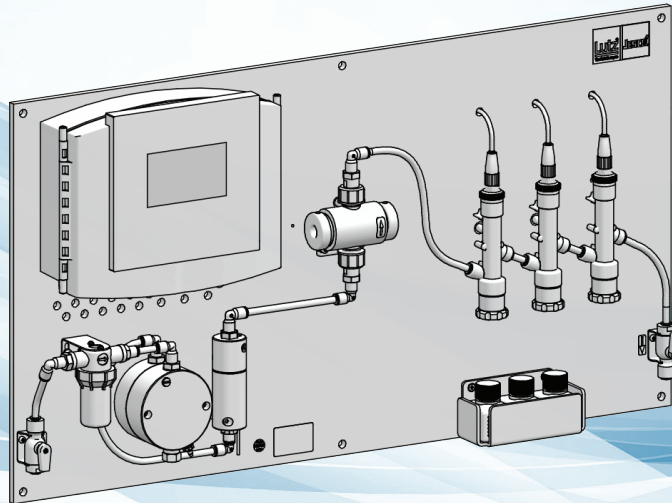


Water sampling station **EASYPRO CS**



Reliable and individual

With the EASYPRO CS, Lutz-Jesco offers a flexibly configurable system, which is based on the classic open amperometric disinfection measurement with the CS120.

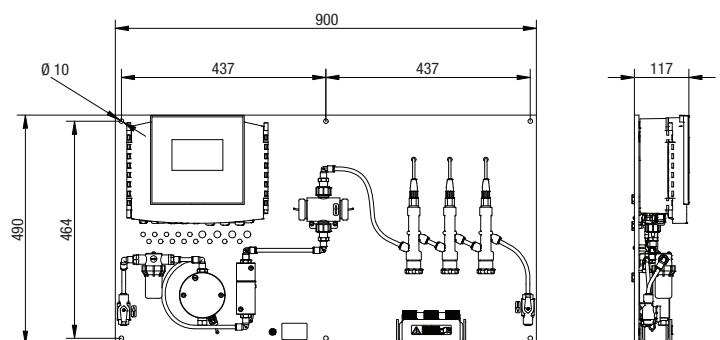
The configuration flexibility means that a customised, very robust solution can be put together for your swimming pool or industrial application, which in the end saves costs because only the most necessary components are installed.

The design of the base plate allows the CS120 to be used in combination with up to 3 other measurands in the water.

The **TOPAX[®] MC** multi-channel controller installed* in the **EASYPRO** subjects the water parameters to constant measurement, keeping them within the target range. It enables you to control a large number of actuators and permits easy and intuitive operation. It enables you to control a large number of actuators and permits easy and intuitive operation.

Dimensions

All dimensions in mm



* Our standard versions are delivered with the **TOPAX[®] MC** multi-channel controller. Use the match code ordering system to order the **EASYPRO** water sampling stations without the **TOPAX[®] MC**.

Technical data, spare parts and accessories

EASYPRO			CS 2	CS 3	CS 4
Sample water requirement	for CS120 excess chlorine measuring cell	l/h	45 approx.		
	with all other measuring cells	l/h	-		
Sample water inflow and discharge		mm	PE hose 6/8 + stop valve with G1/4 connection		
Pressure resistance	for diaphragm-covered measuring cell	bar	max. 6, air gap required		
	for all other measuring cells		max. 6		
Pressure loss in the water sampling station		bar	0.3 approx.		
Mesh size sample water filter		µm	300		
Voltage supply			100 – 240 V AC, 50/60 Hz		
Power consumption		W	max. 20		
Analogue outputs for remote transmission			4 x 0/4 – 20 mA, working resistance max. 500 Ω		
Disturbance variable input		mA	0/4 – 20		
Interfaces			Ethernet TCP/IP or RS485 Modbus RTU (optional)		
Protection class			IP65 (electronic controller)		
Ambient temperature		°C	-5 to +45 (no exposure to direct sunlight)		
Control characteristic			P, PI, PID or PD behaviour, control direction selectable with disturbance variable feed forward, 2-side control selectable		
Measuring inputs (depending on version)					
Number of measuring inputs			2*	3**	4***
Bromine	Diaphragm-covered measuring cell	mg/l	0 – 5 (dependant on the measuring cell)		
Free chlorine	Amperometric 3-electrode measuring cell with potentiostat (DMZ3.1)	mg/l	-		
	CS120 excess chlorine measuring cell	mg/l	0 – 10 (dependant on the measuring cell transconductance)		
	Diaphragm-covered measuring cell	mg/l	-		
Chlorine dioxide	Amperometric 3-electrode measuring cell with potentiostat (DMZ3.1)	mg/l	-		
	CS120 excess chlorine measuring cell	mg/l	0 – 10 (dependant on the measuring cell transconductance)		
	Diaphragm-covered measuring cell	mg/l	-		
Total chlorine	Diaphragm-covered measuring cell	mg/l	0 – 10 (dependant on the measuring cell)		
Ozone	Diaphragm-covered measuring cell	mg/l	0 – 2 (dependant on the measuring cell)		
pH value	pH single-rod measuring cell	pH	2 – 12 or 0 – 14 (dependant on the single-rod measuring cell)		
Redox value	Redox single-rod measuring cell	mV	0 – 1000		
Conductivity conductive	Conductivity measuring (k=1)	mS/cm	0 – 100 (depending on the measuring principle)		
Chlorite	Diaphragm-covered measuring cell	mg/l	0 – 2 (dependant on the measuring cell)		
Hydrogen peroxide	Diaphragm-covered measuring cell	mg/l	0 – 200 (dependant on the measuring cell)		
Temperature	Pt100	°C	0 – 45 (standard version)		
Output modules (depending on version)					
Number of output modules			up to 4		
Servomotor relay			2 x 230 V AC, 5 A (ohmic load)		
		kΩ	Potentiometer feedback: 1 – 10		
Servomotor 20 mA			Constant 0/4 – 20 mA output		
			Servomotor with 20 mA feedback		
Relays			2 x 230 V AC, 5 A (ohmic load)		
Optocoupler			2 x 80 V DC, 5 mA		
Relay High Current			2 x 230 V AC, 8 A (ohmic load)		

* A temperature sensor can also be connected.

** Additionally, up to two temperature sensors can be connected.

*** Additionally, up to three temperature sensors can be connected.



Photometer

- free chlorine and pH value
- Internal memory for 16 data sets
- Automatic switch off
- and much more...



buffer solutions

- pH value: pH 6.80 and 9.27
- Redox value: 468 mV
- Conductivity: 1000 µS/cm, 12,88 mS/cm and 80 mS/cm