Water sampling station **EASYPRO SMART** for swimming pools
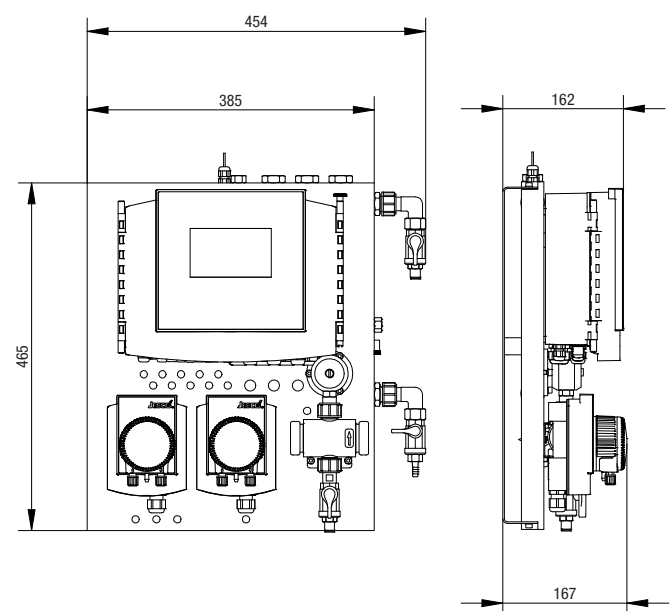

Small but nice

The **EASYPRO SMART** is the successor to the popular EASY-POOL SMART series. Available in two simple pre-configured versions, the water sampling station comes almost ready-to-use.

The system serves the monitoring and control of various water parameters in your swimming pool. 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 works directly in conjunction with the peristaltic pumps installed in the water sampling station. Additional actuators can be actuated.

Automatic continuous recording of the water parameters and depiction of their development permit simple diagnosis.

Dimensions

All dimensions in mm

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* 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**.

Dosing | *Liquids*
Conveying | *Gases*
Control | *Systems*

Technical data, spare parts and accessories

EASYPRO SMART			CP	RP	CPL
Sample water requirement	l/h		45 approx.		
Sample water inflow and discharge	mm		Stop valve with hose clamp connector 6/8		
Pressure resistance	bar		max. 3		
Pressure loss in the water sampling station	bar		0.3 approx.		
Voltage supply			100 – 240 V AC, 50/60 Hz		
Power consumption	W		max. 30		
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		
v inputs (depending on version)					
Number of measuring inputs			2[a]		3[b]
Free chlorine	CS120 excess chlorine measuring cell	mg/l	0 – 15[c]	-	0 – 10[c]
pH value	pH single-rod measuring cell	pH	2 – 12[d] or 0 – 14[d]		
Redox value	Redox single-rod measuring cell	mV	-	0 – 1000	-
Conductivity conductive	Conductivity measuring (k=1)	mS/cm	-		0 – 2[e], 0 – 20[e] or 0 – 100[e]
Temperature	Pt100	°C	5 – 45		
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		

[a] A temperature sensor can also be connected.
[b] Additionally, up to two temperature sensors can be connected. .
[c] Dependant on the measuring cell transconductance.
[d] Dependant on the single-rod measuring cell.
[e] Depending on the configuration, corresponds to approx. 0 – 1 % or 0 – 5 % salt content.

Photometer
- (free chlorine and pH value)
- Internal memory for 16 data sets
- Automatic switch off
- Real-time clock and date
- Adjustable functional display
- Illuminated display
- Water-tight (analogue IP68, 1 hour at 0.1 metre)

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