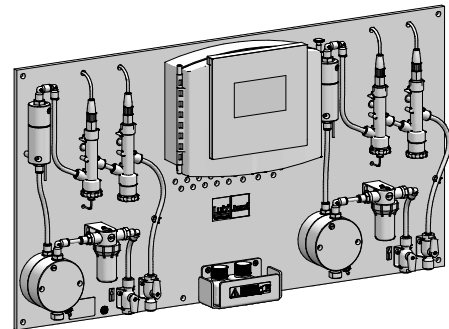


General

The **EASYPRO MBB-C** water sampling station serves the measurement and control of 2 x free chlorine and 2 pH values in the swimming pool. With the **EASYPRO MEE-C**, 2 pH and 2 redox values can be measured and controlled. The sampling stations are characterised by its well-arranged design and high pressure resistance. The **TOPAX® MC4** multi-channel controller ensures easy operation. In addition, 2 measuring water circuits can be controlled with one controller, which reduces costs. The standard versions of the **EASYPRO MBB-C** and **MEE-C** are compatible with the visualisation software TopView 4.



Technical data

EASYPRO			MBB-C	MEE-C
Dimensions (WxHxD)	mm		900 x 490 x 117 approx.	
Sample water requirement	l/h		2 x 30 approx.	
Sample water inflow and discharge	mm		PE hose 6/8 + stop valve with G1/4 connection	
Pressure resistance	bar		max. 6	
Pressure loss in the water sampling station	bar		2 x 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 x 2*	
Free chlorine	Amperometric 3-electrode measuring cell with potentiostat (DMZ3.1)	mg/l	2 x 0 – 15 (dependant on the measuring cell transconductance)	-
pH value	pH single-rod measuring cell	pH	2 x 2 – 12 (depending on the single-rod measuring cell) or 2 x 0 – 14 (depending on the single-rod measuring cell)	2 x 2 – 12 (depending on the single-rod measuring cell) or 2 x 0 – 14 (depending on the single-rod measuring cell)
Redox value	Redox single-rod measuring cell	mV	-	2 x 0 – 1000
Temperature	Pt100	°C	2 x 5 – 45	2 x 5 – 45
Output modules (depending on version)				
Number of output modules			up to 4	
Servomotor relay		kΩ	2 x 230 V AC, 5 A (ohmic load)	
			Potentiometer feedback: 1 – 10	
Servomotor 20 mA with feedback or 0/4 – 20 mA			Constant 0/4 – 20 mA output	
			Servomotor with 20 mA feedback	
Relays			2 x 230 V AC, 5 A (ohmic load)	
Relay High Current			2 x 230 V AC, 8 A (ohmic load)	
Optocoupler			2 x 80 V DC, 5 mA	

* A temperature sensor can also be connected.