

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



### Reliable and individual

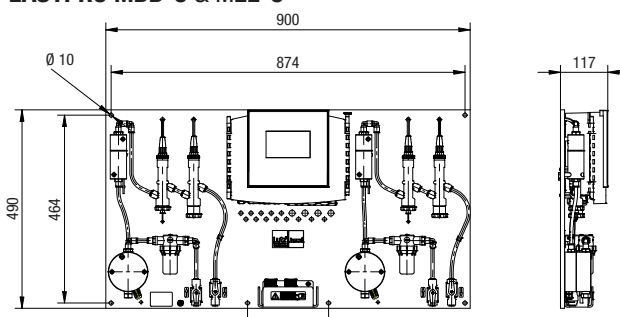
Designed to meet your every need, the **EASYPRO** system monitors and controls a range of water parameters in your swimming pool.

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 enables you to control a large number of actuators and permits easy and intuitive operation.

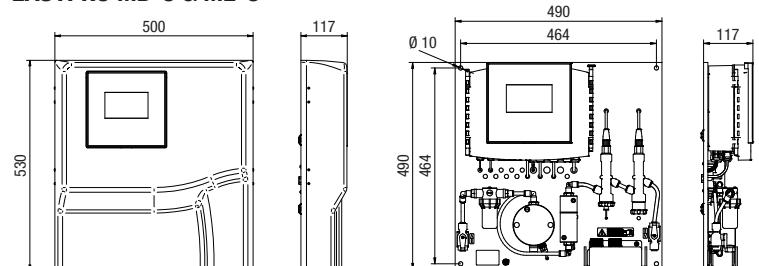
The multi-coloured LEDs provide an optical warning if the water parameters leave the target range. Automatic continuous recording of the water parameters and depiction of their development permit simple diagnosis.

### Dimensions all dimensions in mm

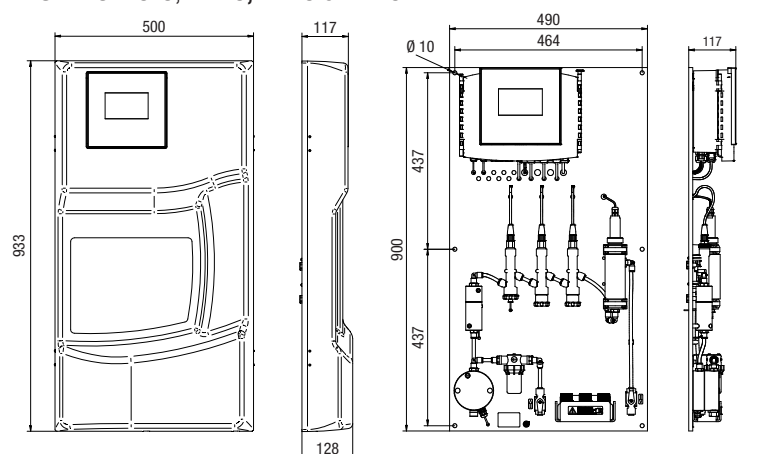
#### EASYPRO MBB-C & MEE-C



#### EASYPRO MB-C & ME-C



#### EASYPRO MC-C, MD-C, MP-C & MK-C



\* 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			MB-C	ME-C	MC-C	MD-C	MP-C	MK-C	MBB-C	MEE-C
Sample water requirement		l/h	30 approx.						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			max. 6, air gap required		max. 6		
Pressure loss in the water sampling station		bar	0.3 approx.						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							
v inputs (depending on version)										
Number of measuring inputs			2 <sup>a</sup>		3 <sup>b</sup>		4 <sup>c</sup>	3 <sup>b</sup>	2 x 2 <sup>a</sup>	
Free chlorine	Amperometric 3-electrode measuring cell with potentiostat (DMZ3.1)	mg/l	0 – 15 <sup>d</sup>	-	0 – 15 <sup>d</sup>	-	0 – 15 <sup>d</sup>		2 x 0 – 15 <sup>d</sup>	-
	Encapsulated electrode	mg/l	-			0 – 10 <sup>e</sup>		-		
Total chlorine	Encapsulated electrode	mg/l	-				0 – 10 <sup>e</sup>	-		
pH value	pH single-rod measuring cell	pH	2 – 12 <sup>f</sup> or 0 – 14 <sup>f</sup>						2 x 2 – 12 <sup>f</sup> or 2 x 0 – 14 <sup>f</sup>	
Redox value	Redox single-rod measuring cell	mV	-	0 – 1000			-			2 x 0 – 1000
Conductivity conductive	Conductivity measuring (k=1)	mS/cm	-					0 – 2 <sup>g</sup> , 0 – 20 <sup>g</sup> or 0 – 100 <sup>g</sup>	-	
Temperature	Pt100	°C	5 – 45						2 x 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							

<sup>a)</sup> A temperature sensor can also be connected.

<sup>b)</sup> Additionally, up to two temperature sensors can be connected.

<sup>c)</sup> Additionally, up to three temperature sensors can be connected.

<sup>d)</sup> Dependant on the measuring cell transconductance.

<sup>e)</sup> Dependant on the measuring cell.

<sup>f)</sup> Dependant on the single-rod measuring cell.

<sup>g)</sup> 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 h at 0.1 m)



## Buffer solutions

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