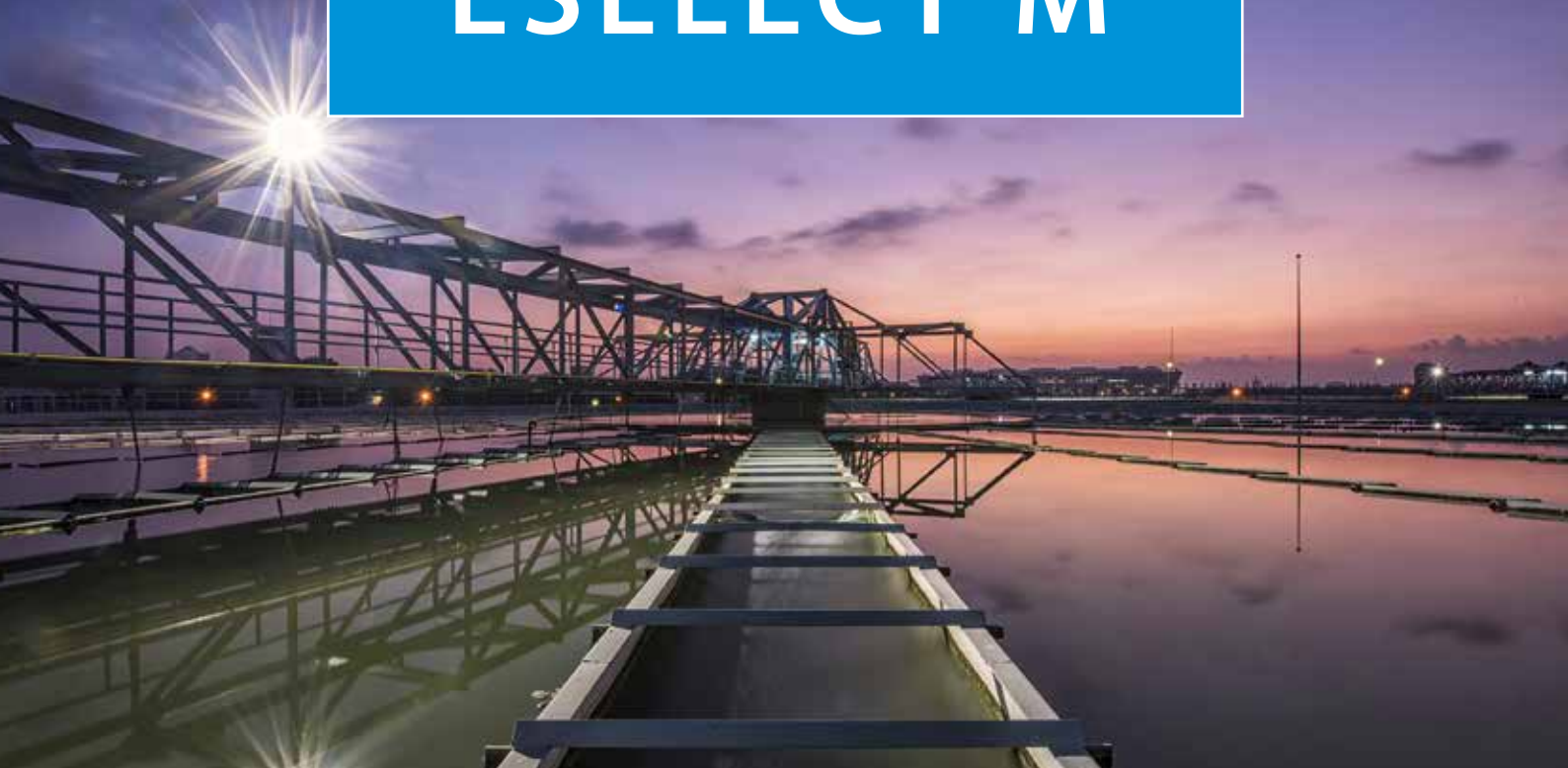




# ESELECT M



# Products



eSelect M is a multi-purpose measurement instrument with one (M1), double (M2) and triple (M3) a measurement parameter suitable for measuring the pH or Rx (Redox) parameter, Free (Residual), Total CHLORINE and Conductivity. The eSelect M range, along with the high quality performance and functions, offers many features that make it versatile and easy to use.

- The pH measurement parameter may be changed into Rx by simple programming and by using the RX electrode;
- The Residual or Total Chlorine measurements may be chosen based on the type of sensor used relative to the range:
  - ion-selective membrane sensors with operational ranges 0-2 Cl ppm (preset); 0-20 Cl ppm; 0-20 Cl ppm (Total);
  - open type chlorine amperometric cell (model CLC) with operational range 0-10 Cl ppm
- Ethernet connection (LAN) external module, Modbus TCP + memory card with ETACLOUD software.
- Timed AUX outputs programming; Adjustable real-time timer; switch-on time programming.

	pH(Rx)	eSelect M1			eSelect M2			eSelect M3
		Cl	CD	CD COOL	pH-CD	pH-Cl	pH-Rx	pH-Rx-Cl
<b>Measure parameters</b>		1			2			3
<b>Level probe input</b>		1			2			3
<b>Set-point output relay</b>	2		4		3			4
<b>mA output</b>					2			3
<b>Auxiliary output</b>	1		✗		1			3
<b>Alarm output</b>					✓			
<b>RS485 Connection</b>		✓		✗		✓		
<b>Proximity switch input</b>					✓			
<b>Temperature sensor input PT100 or NTC</b>					✓			
<b>Integrated Timer</b>					✓			
<b>Standard power supply</b>					100/240 V a.c. 50/60 Hz			
<b>Power supply on request</b>					12/24 V			
<b>Connection Kit</b>		Optional		✗		Optional		

# Technical Features of the Instrument

<b>Setpoints</b>	<b>Relay outputs 1 - 2 - 3 - 4</b>	4 ON-OFF setpoints	<i>Independent settings to start up metering pumps or peristaltic dispensers in constant mode or equipment with ON-OFF mode</i>
		Set point	<i>Adjusts the setpoint value (ON-OFF mode)</i>
		Hysteresis	<i>Selects a measurement range around the setpoint value, locking the output relays (ON-OFF)</i>
		Acid – Alkaline pH Direct - Reverse Rx and CL	<i>Selects the metering direction of the output relay</i>
		Proportional modular pulse PWM mode	<i>Proportional Time/Pause pulse outputs activate metering pumps or peristaltic dispensers with constant mode or ON-OFF equipment.</i>
		Delay on setpoint value	<i>Selects a delay time (max 999 sec adjustable) before activating the output relay.</i>
	<b>AUX Outputs Relay</b>	<i>The real-time clock controls remote appliances or devices connected to the AUX outputs in an accurate manner for programming minutes / hours / days / weeks.</i>	
	<b>Alarm 4 Relay</b>	Min Alarm / Max Alarm	<i>Alarm function that, on exceeding a minimum or maximum value, switches the alarm relay on or off.</i>
<b>4-20mA1-2-3</b>	<b>mA devices outputs</b>	<i>Controls the data logger, PLC, recorder or devices suited to processing the mA signal</i>	
	<b>Setpoint metering</b>	<i>Controls mA metering pumps or devices suited to processing an mA signal</i>	
<b>Calibration</b>	<i>Calibration menu for pH and RX electrode (Redox)</i>		
<b>System settings</b>	<b>Flow sensor</b>	<i>Switches on or off the flow sensor input (proximity sensor)</i>	
	<b>Manual temperature</b>	<i>Selects the manual temperature offset. 0-100°C (Auto-Temp=OFF)</i>	
	<b>Temperature Offset</b>	<i>Offsets the temperature with the conductivity probe, therefore measuring the exact value against the current temperature.</i>	
	<b>RS485 /Ethernet</b>	<i>Remote control via external RS485 / ETHERNET module, Modbus protocol with ETACLOUD Software. The operator connects the unit via a PC, a smartphone or a tablet.</i>	

## ETACloud



The EtaCloud software supports remote control of all operating and programming parameters of the Series M instruments. The user may operate via Smartphone, Tablet and PC (laptop and desktop) making it possible to perform all operations from an internet connected device exactly in the same way as if you were in front of a real instrument.

When a programming or set-up operation is required, the remote control avoids costly technical travel to act directly on the system. The software sends to the operator the alarms and status modifications via e-mail thus enabling remote technical service.



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