# **TEKNA EVO TPR**



## INSTALLATION MANUAL - EN

### Control Panel – TEKNA TPR

	• I Alarm   CAL Imode   PROG Imode   enter start   esc		
PROG	Access to the programming menu		
mode	When pressed during the pump operation phase, it cyclically displays the programmed values on the display; When pressed at the same time as the low low keys, it increases or lowers a value dependent on the selected operating mode. During programming it carries out an "enter" function, meaning that it confirms entry to the various menu levels and modifications within the same.		
start stop	Starts and stops the pump. In the event of a level alarm (alarm function only), flow alarm and active memory alarm, it deactivates the signal on the display.		
ESC	Used to "exit" the various menu levels. Before definitively exiting the programming phase, you will be asked if you wish to save any changes.		
CAL	Access to the pump calibration menu. If in Off mode, the calibration menu is not activated.		
	Used to run upwards through the menu or increase the numerical values to be changed. Can be used to start dosage in Batch mode		
Ø	Used to run downwards through the menu, or decrease the numerical values to be changed.		
r 💿	Flashing green LED during dosage		
Alarm	Red LED that lights up in various alarm situations		



#### Programming menu Tekna TPR

You can access the programming menu by pressing the Program key for over three seconds. The 🙆 河 keys can

be used to run through the menu items, with the **entern** key being used to access changes. The pump is programmed in constant mode in the factory. The pump automatically returns to the operating mode

after 1 minute of no activity. Any data entered in these circumstances will not be saved. The to exit the various programming levels. Upon exiting programming, the display will show:



#### Setting the Language



#### Paragraph 1 – Manual Dosage

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Stop = pump stationary

Paus = pump in pause



pressing the + or - keys at the same time

Paragraph 2 – Dosage Proportional to the pH (factory setting)



Paragraph 3 – Dosage Proportional to the Potential Redox Measurement (O.R.P.)





Paragraph 4 - Setting the Maximum Flow



#### Paragraph 5 - Setting the Alarm Relay



#### Paragraph 6 - Flow Calibration



#### Paragraph 7 - Statistics



#### Paragraph 8 - Password



#### Paragraph 9 – Flow Alarm



#### Paragraph 10 – Level Alarm



#### Paragraph 11 – Flow Display Unit

Programming	Operation	
PROG PROG Configuration Unit Standard Enter Unit Standard <- Unit Unit L/h enter Onit Unit L/h	This makes it possible to set the dosage unit of measurement on the display. Changes can be made by pressing the enter key, then using the Rey To set the unit of measurement, choosing between L/h (litres/hour), Gph (Gallons/hour), ml/m (millilitres/minute) or standard (% or frequency, depending on settings). Press enter to confirm and return to the main menu	

#### Paragraph 12 - Setting the Pause



#### pH Calibration Menu

Pressing the CAL key for 3 seconds takes you into the calibration menu. If calibration was excluded during programming, the following appears on the display:



#### Potential Redox Calibration Menu (O.R.P.)

Pressing the CAL key for 3 seconds takes you into the calibration menu. If calibration was excluded during programming, the following appears on the display:

Calibration					
Off					
If calibration is active:					
Cal       Calibration       Automatic       Automatic       Automatic       Calibration       Automatic       Buffer Sol. 465mV         Wait       Buffer Sol. 465mV					
Automatic Buffer Sol. 465mV Buffer Sol. 465mV					
Quality 100% UIUU ok 465mV enter enter enter					
Calibration       Automatic Cal.         Manual       Euffer Sol. 465mV             Wait       60s					
Quality100%     ok600mVenterenter					
It is possible to select automatic or manual mode.					
- Automatic calibration:					
The buffer solution value appears on the display. Insert the probe in the bottle and press the enter key. A 60 second countdown necessary to complete calibration will appear on the display. If the alignment quality is below					
50%, an error message appears on the display and you should press to exit calibration (the pump exits automatically after 4 seconds). If the quality is above 50%, the value is shown on the display and you should press					
the conter key to complete the procedure.					
- Manual calibration:					
The buffer solution value appears on the display. Insert the probe in the bottle and press the enter key. The value					
of 465 mV should now flash on the display. Insert the probe in your solution and use the 🤷 💓 keys to display					
the value of the solution in your possession, then confirm by pressing the enter key and begin the calibration					

procedure as before

#### Alarms

Alarms					
Display	Cause	Interruption			
Fixed alarm LED Flashing word "Lev" I.e. Man Lev P100%	End of level alarm, without interrupting pump operation	Restore the liquid level.			
Fixed alarm LED Flashing words "Lev" and "stop" I.e. Man Lev Stop P100%	End of level alarm, with interruption to pump operation	Restore the liquid level.			
Fixed alarm LED Flashing word "Flw" I.e. Man <u>F</u> Flw P100%	Active flow alarm. The pump has not received the programmed number of signals from the flow sensor.	Press the stop key			
I.e. Parameter Error PROG to default	Communication error with the eeprom.	Press the <b>Prog</b> key to restore the default parameters.			
Flashing word "OFA" Flashing word "stop" I.e. High 475 mV OFA Stop P 75%	O.F.A. alarm	Press the stop key to stop the flashing word "stop". Press the key again to start up the pump again.			
Flashing word "Alm" I.e. High 475 mV Alm P 75%	The probe reading is outside the set alarm band range	Make sure that the "Alarm Band" parameter is set correctly in the programme			
Flashing word "Cal" I.e. High 475 mV Cal P 75%	Probe not calibrated alarm	Calibrate the probe			

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