# **TEKNA EVO TPR**



### INSTALLATION MANUAL - EN

### DosingPump.ir

rev. 2.2 EN

### Control Panel – TEKNA TPR

	• R Alarm   CAL • • • • • • • • • • • • • • • • • • •				
PROG	Access to the programming menu				
mode enter	When pressed during the pump operation phase, it cyclically displays the programmed values on the display; When pressed at the same time as the for the verse of 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

•

Paus = pump in pause



nc	no	Рп	m	n	Ir
03	115			P	н.

pressing the + or - keys at the same time

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



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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



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#### Paragraph 8 - Password



### Paragraph 9 – Flow Alarm



#### Paragraph 10 – Level Alarm



### Paragraph 11 – Flow Display Unit



### 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         Calibration       Automatic         Automatic Cal.       Buffer Sol. 465mV         Wait       60s       Buffer Sol. 465mV						
Quality 100%        ok 465mV enter enter enter						
Calibration Manual enter Automatic Cal. Buffer Sol. 465mV enter Wait 60s Buffer Sol. 600mV Quality 100% Hutomatic Cal. Calibration Buffer Sol. 600mV Enter enter enter Enter enter						
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 tenter 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 <b>center</b> key to complete the procedure.						
- Manual calibration:						
The buffer solution value appears on the display. Insert the probe in the bottle and press the enterna 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 center key and begin the calibration						

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procedure as before

### 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 <b>stop</b> 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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