HYDRA PR

INSTALLATION MANUAL

ΕN

HANDBUCH

DE

MANUAL DE INSTALACION

ES

MANUEL D'INSTALLATION

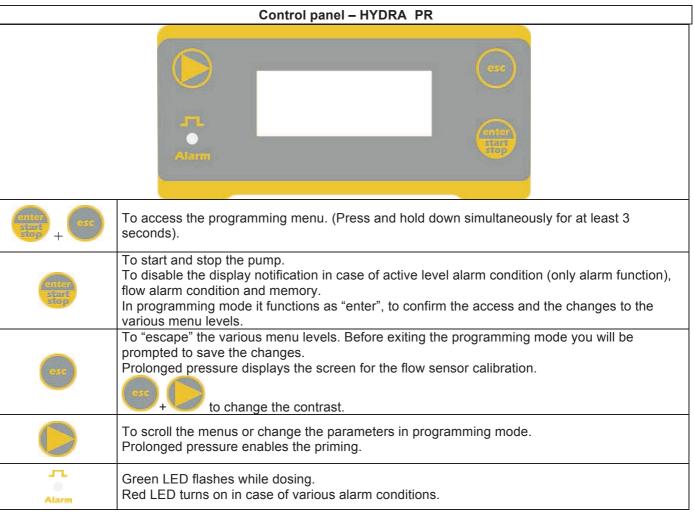
FR

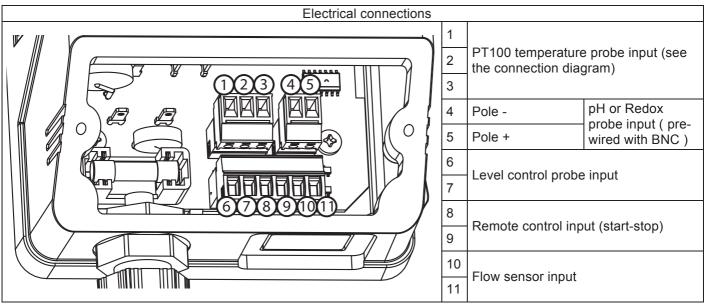
MANUALE D'INSTALLAZIONE

IT

EM00136304 rev.1.0

EM00136304 rev.1.0



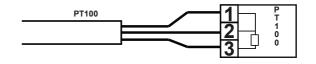


CONNECTIONS DIAGRAM

2-wire PT100 connection diagram

3-wire PT100 connection diagram





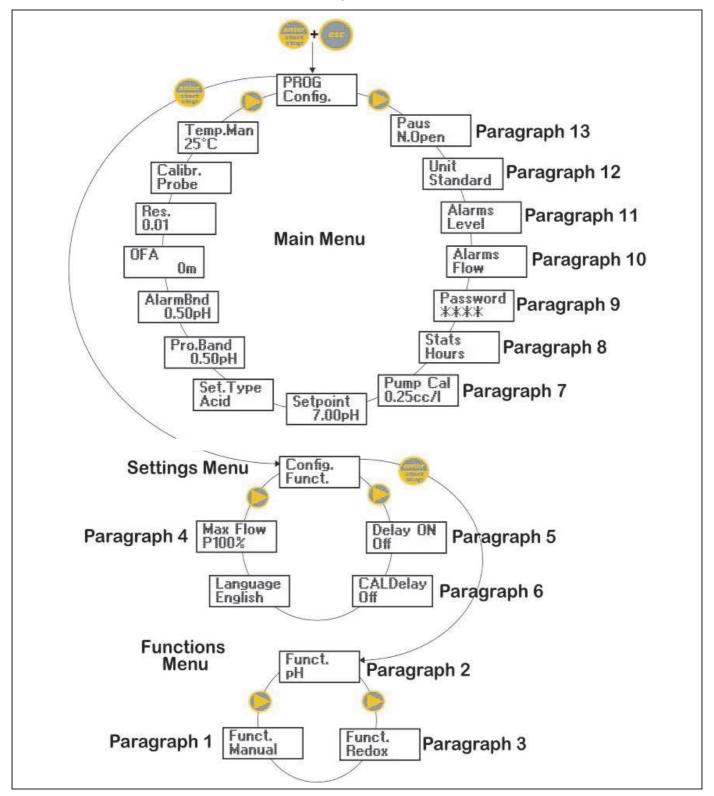
HYDRA PR Programming Menu

Press the + keys for more than three seconds to access the programming mode. Press the key to scroll the menu items, then press the key to access the options. Whenever a menu item is editable, it flashes.

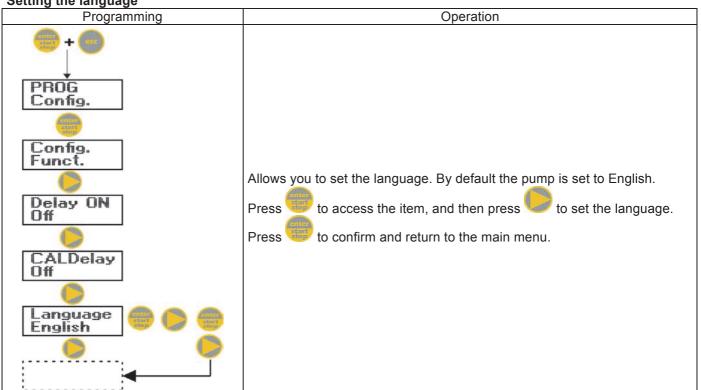
By default the pump is set for constant mode. The pump automatically returns to operating mode after 1 minute of

inactivity. In this case, the data entered will not be saved. Press the key to exit the programming levels. When you exit the programming mode, the display shows:

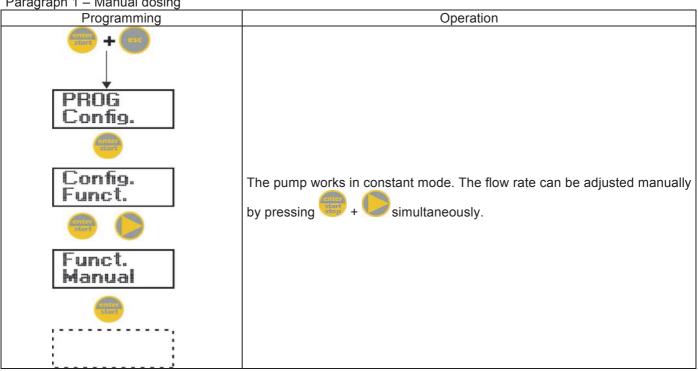
Exit Save to confirm your choice.

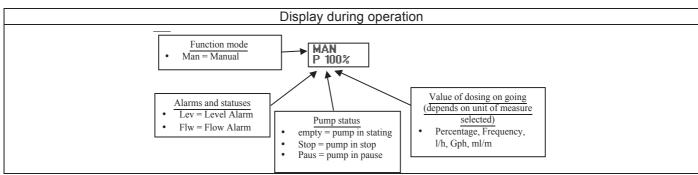


Setting the language

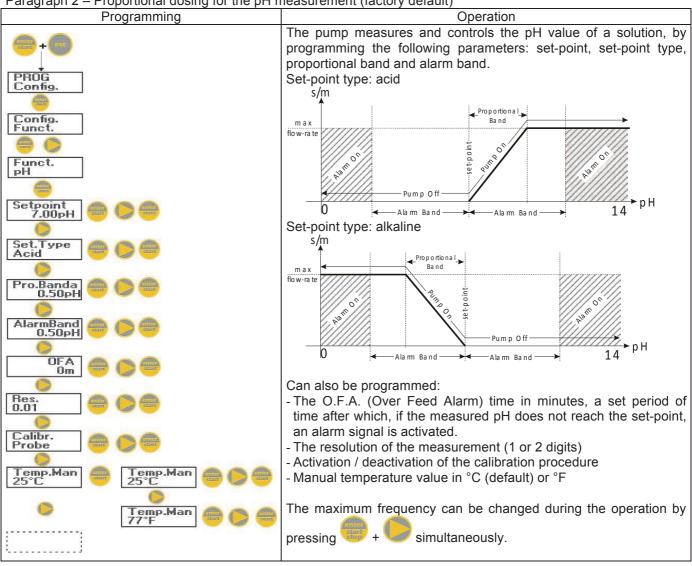


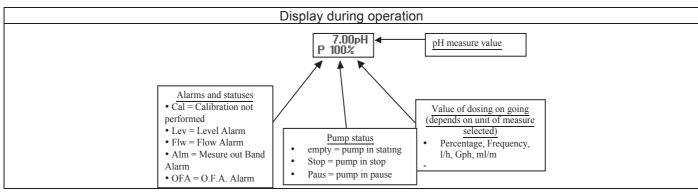


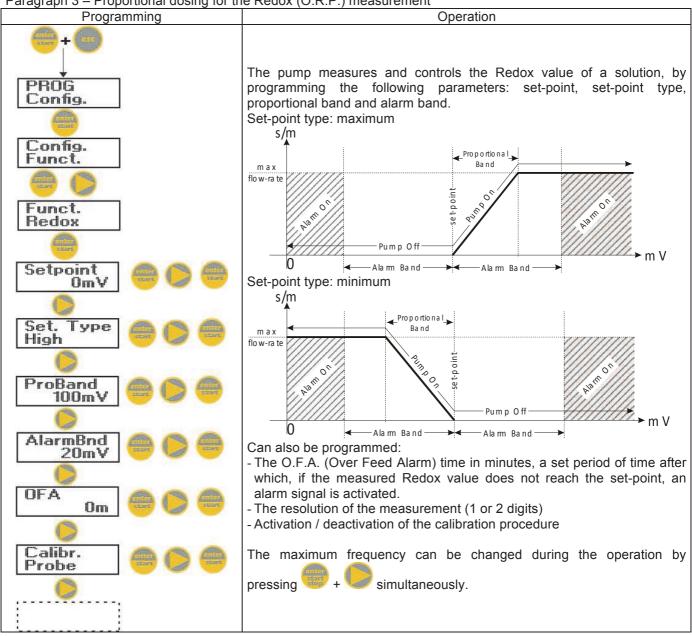


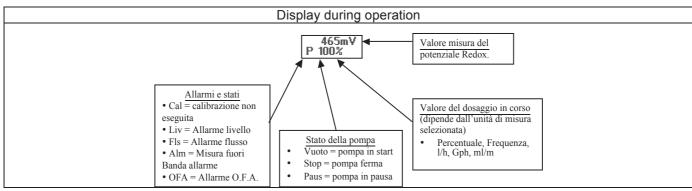


Paragraph 2 – Proportional dosing for the pH measurement (factory default)

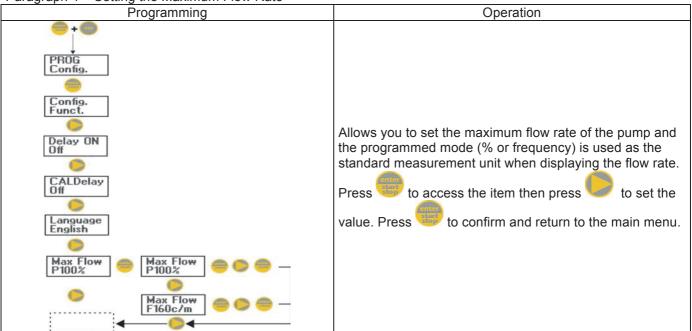




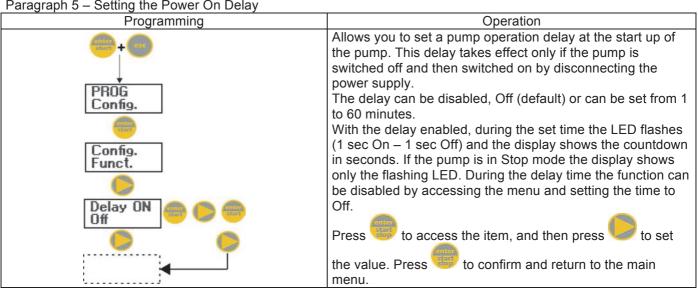




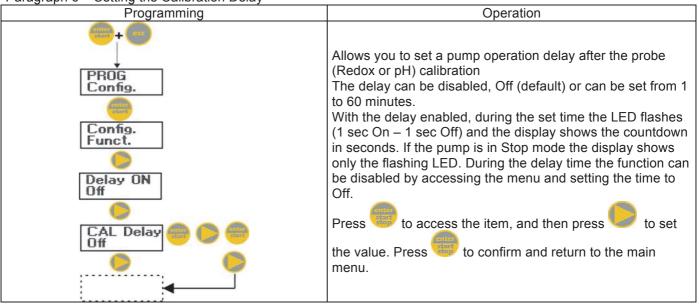
Paragraph 4 – Setting the Maximum Flow Rate



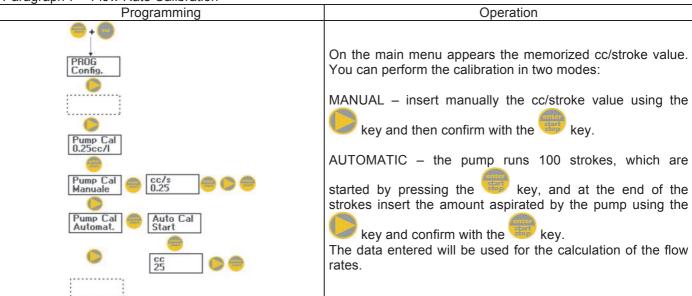
Paragraph 5 - Setting the Power On Delay



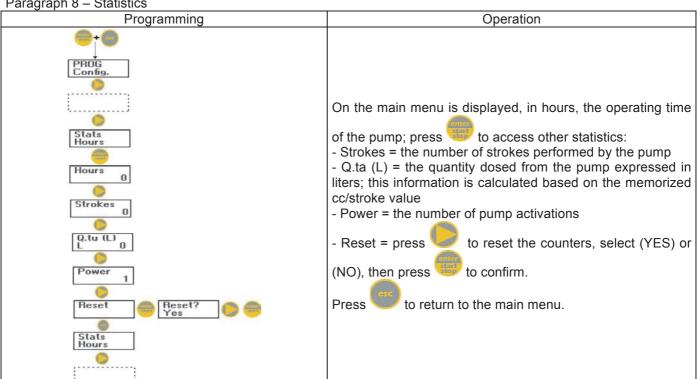
Paragraph 6 – Setting the Calibration Delay



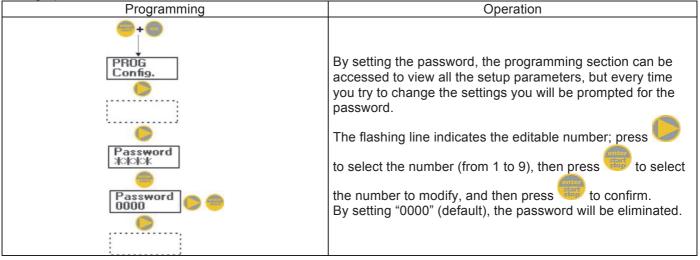
Paragraph 7 – Flow Rate Calibration



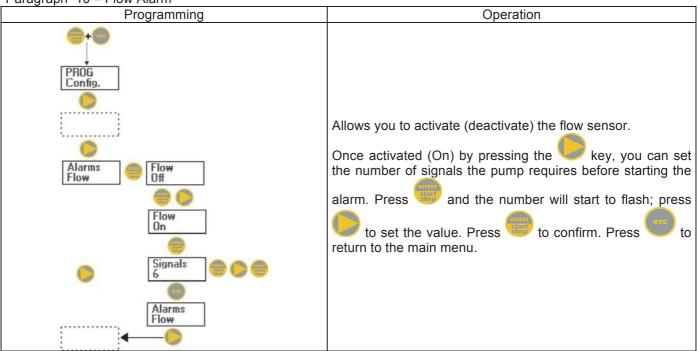
Paragraph 8 – Statistics



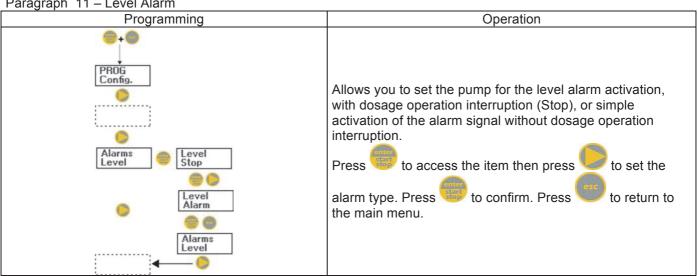
Paragraph 9 - Password



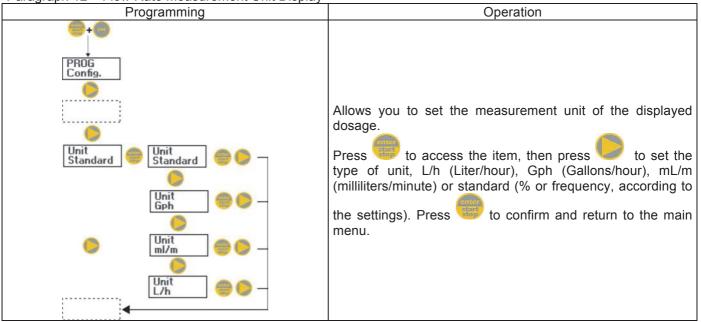
Paragraph 10 – Flow Alarm



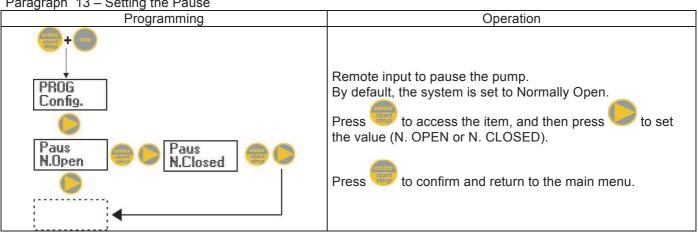
Paragraph 11 - Level Alarm



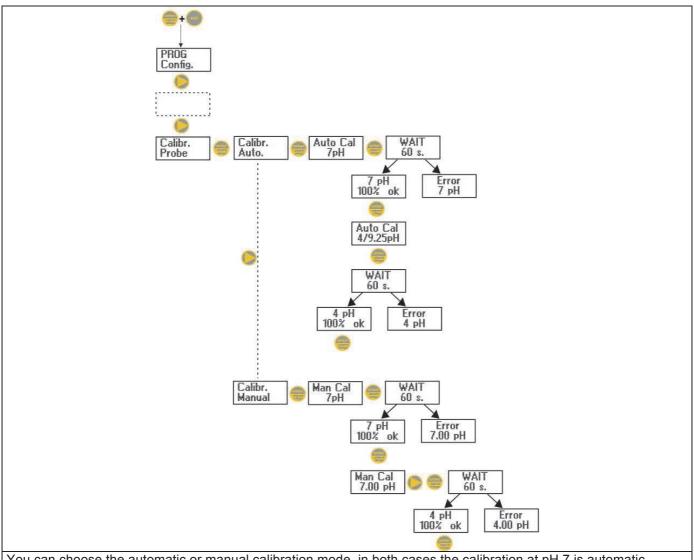
Paragraph 12 – Flow Rate Measurement Unit Display



Paragraph 13 – Setting the Pause



Calibration Menu



You can choose the automatic or manual calibration mode, in both cases the calibration at pH 7 is automatic.

Automatic calibration:

When the display shows the value of the buffer solution, insert the probe into the bottle, press will show the countdown of the 60 seconds required to complete the calibration. If the quality of the alignment is less than 50%, an error appears on the display; press to exit the calibration (after 4 seconds the pump will

automatically exit the calibration); if the quality is higher than 50%, the value appears on the display; pressing you will be prompted for the pH 4 or 9 buffer solution; at this point the procedure is similar to the previous calibration.

Manual calibration:

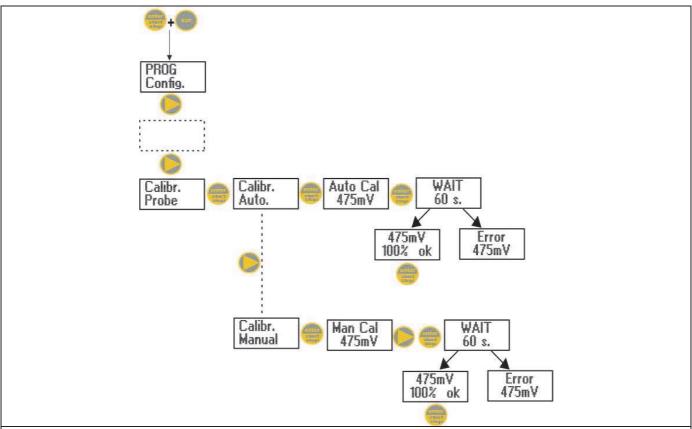
When the display shows the value of the buffer solution, insert the probe into the bottle, press and the display will show the countdown of the 60 seconds required to complete the calibration. If the quality of the alignment is

less than 50%, an error appears on the display; press to exit the calibration (after 4 seconds the pump will

automatically exit the calibration); if the quality is higher than 50%, the value appears on the display; pressing

on the display will flash the pH 7.00 value; press to insert the value of my solution, then press and start the calibration procedure as described previously.

Redox (O.R.P.) Calibration Menu



You can choose the automatic or manual mode.

- Automatic calibration:

When the display shows the value of the buffer solution, insert the probe into the bottle, press and the display will show the countdown of the 60 seconds required to complete the calibration. If the quality of the alignment is less than 50%, an error appears on the display; press to exit the calibration (after 4 seconds the pump will automatically exit the calibration); if the quality is higher than 50%, the value appears on the display; press and the procedure is completed.

Manual calibration:

When the display shows the value of the buffer solution, insert the probe into the bottle, press and the display will show the value 465mV flashing, insert the probe into my solution, press to display the value of my solution, then press to confirm and start the calibration procedure as described previously.

Alarms

Dislay	Cause	Remedy
Alarm LED on "Lev" icon flashing	End level alarm, without pump operation interruption.	Restore the liquid level.
Alarm LED on "Lev" and "Stop" icons flashing	End level alarm, with pump operation interruption.	Restore the liquid level.
Alarm LED on "Flw" icon flashing	Flow alarm activated, the pump has not received from the flow sensor the programmed number of signals.	Press the key.
"OFA" icon flashing "Stop" icon flashing	O.F.A. alarm	Press the key to stop the flashing of the "Stop" icon, press the key again to restart the pump.
"Alm" icon flashing	The value read by the probe is out of the alarm band set	Check the "Alarm Band" parameter for the correct settings in programming mode.
"Cal" icon flashing	Probe not calibrated alarm	Perform the probe calibration procedure.