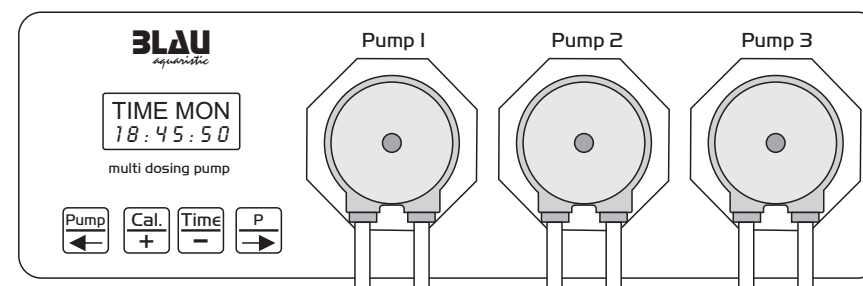


Operating Manual



Multi Dosing Pump

BLAU
aquaristic

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Ref. 7794010 Multi Dosing Pump
Ref. 7794011 Extension Multi Dosing Pump

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Blau Aquaristic Multi-Dosing Pump



The Blau Aquaristic Multi-dosing Pump is a three peristaltic dosing pumps System expandable up to eleven (4 pumps more for each expansion module), which allows administer automatically liquids in doses from 1 to 99ml.

Before the installation and use of this pump, we recommend to read and understand these instructions.

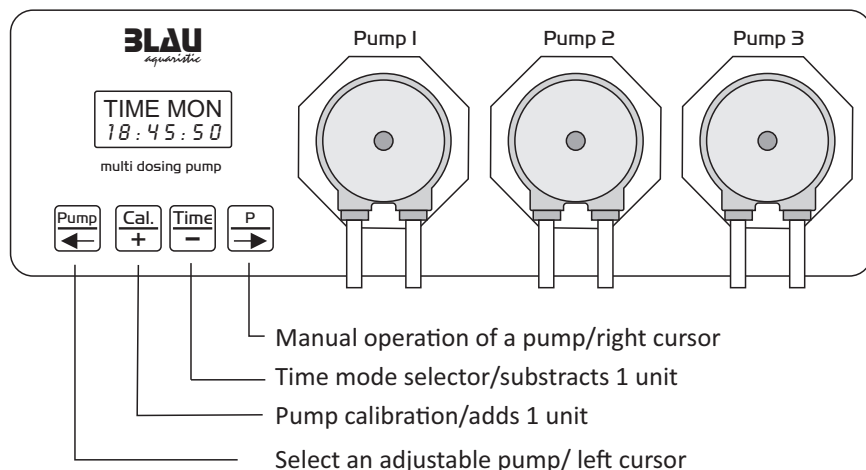
Features:

- Clock and memory in case of power cut
- Calibration function
- Weekly programming
- Alarm function in case of motor breakdown or lack of liquid in the container

Package content:

- Central unit with programmable controller and 3 peristaltic dosing pumps.
- 3 plastic connectors and 3 check valves
- Power source, 12V power adapter
- Transparent tube
- Measuring cylinder for calibration

Description:



Back of the unit



A,B: RJ12 connectors for auxiliary units

Programming instructions

Time setting

Enter the actual day and hour: press the button "time" and the day will blink, press "+" or "-" for select the correct day. Then press the arrow for select hour, minutes or seconds. Through buttons "+" and "-" adjust the hour. When the suitable hour is set, press "time" for two seconds, and the hour will be fixed.

Calibration

Press "Cal" button for entry in calibration mode. [01 50 10] will be showed in the screen. The pump 1 will start dose. Use the calibration cylinder for measure if it's exactly 10ml. If the dose is lower, press "+" and repeat the measurement. Undertake this operation until obtain the expected result. If the measure is upper than 10ml, you can correct it with "-" button. Press "pump" button to pass to the second pump and perform the same operation. Finally press "Cal" some seconds to save and exit the calibration menu.

Pump programming

Select the pump to programme pressing button "pump". When a pump is selected, the central two digits will blink, the pump number is on the top left of the screen. The first number blinking is the dosing starting time, which can be modifiable between 00 and 23.

The next value to select is the number of doses (two digit number in the top right in the screen). Choose the value with "+" and "-". Then the value will be included to the total value of the daily dose, which is in the bottom of the screen.

The next screen shows numbers from 1 to 7, that means the days of the week. Select the value 0 in the place of the days without dosing.

Finally is possible to determine the volume of liquid in the container which feeds each pump. When the dosing volume will be bigger that the dosing volume in the container, the System will activate a warning buzz for fill it. Finally press "PUMP" some seconds to save and exit the pump menu.

Manual operation

Press button "P" for switch on the screen in manual mode. Press "P" for prime the pump or select manual mode. Select pump with button "pump". Press twice the "P" button for exit this mode.

Note: the System timer Works without electric current.

If two pumps have to dose at same time, the second one will have a time delay of 2 minutes.

If a motor is broken, the screen will show its number and will buzz until it will be repaired.



Warning

1. The system will work with the adequate liquids, avoid the thick liquids, liquids that can precipitate or extremely corrosive substances.
2. Regularly check the tubes and replace them if they show signs of deterioration.
3. Avoid the pump from operating with high levels of humidity.
4. Don't submerge the pump in the water, avoid water splashes.



RECYCLING

Do not throw this dosing pump into rubbish bins, it must be placed in a waste treatment plant..

WARANTY

This product has a warranty of 2 years for any manufacturing defect.

The warranty does not cover:

- Product failures caused by a wrong use.
- Product failures caused by a wrong installation.
- Product failures due to a continuous operation.
- Transport costs to the repair centre.

For use the warranty, it is necessary accompany the product with his purchasing receipt.

