Notes and Tips

1、 Calibrate before you use the X4 dosing pump;

2、 After the calibration, use the cylinder to test the X4 (eg: Input the test volume 5mL, check whether the actual amount of the liquid is 5mL).

3、 Make sure the head's dosing speeds are the same as the setting speed.

4、 Re-calibrate after changing set speed;

5、 The default wifi password of X4 is: 12345678

6、 Attention: In the event of failure to connect the pump with the computer software, try turning off the anti-virus software.

Warranty

We warrant your product against any defect in material and workmanship, under normal use. In the event a product is found to be defective within the warranty period of **one year**, we will, at our option, repair or replace the defective product. The warranty period starts at the day of purchase. For warranty validation, a proof of purchase must be furnished.

The followings are excluded from the warranty:
1. Improper use of the device causing malfunction;
2. The device is repaired or modified by an unauthorized person;
3. Use of non-produced material by our company i.e. pump tube;
4. Damage by disaster;
5. Improper maintenance causing damage;
6. Use of reagent or sample causing corrosion;
7. Damage by accident or over load;
8. Consumables, such as silicone tube and fuse etc.

To obtain warranty support, you may contact our local technical support. Our technical support will attempt to diagnose and correct the problem. If the problem cannot be rectified, our technical support will ask you to return the product. You will be asked to furnish proof of purchase to confirm that the product is still under warranty.

Notice

We have considered user safety in the design process. Please read this manual carefully. Any improper operation may cause damage or danger.

1. Safety

The product belongs to Active Products. To avoid danger, you should observe the following rules.

- If you find any visible damage, please do not switch on;
- Be sure not to add any acid, alkali, or volatile solvents;
- Be sure not to use in humid environment, avoid damage by short circuit;
- Temperature change or mechanical wear may increase the volume error.

2. Defect and anomalous situation

You must stop any operation immediately if the equipment is damaged. The equipment may be damaged when the following situations occur:

1) There is visual damage.

2) The product suddenly does not work.

3） The product is located in an inappropriate position.

1.About

1.1 Product Introduction

The X4 dosing pump is an intelligent pump which has a micro computer with four miniature peristaltic pump heads. It is mainly used for aquariums to add a variety of elements, such as calcium, magnesium, kH, trace elements, etc. Customers using this product can not only reduce the workload of manual additions, but also avoid "over" or "under" dosing or missed doses.

Features

Compact, unique design;

Easy to understand/follow software, powerful dosing features;

Support for Windows PC, Android and IOS Apps.

Embedded real-time clock allows scheduled dosing periods;

Dosing periods of 1-24 times a day can be set – interval days can also be set, so doses next day, every two days etc.

4 level detection inputs via float switches.

Temperature detection, and temperature alarm setting.

Applications

Aquarium dosing;

Aquarium temperature monitoring;

Laboratory timing dosing liquid.

Other timing, dosing liquid applications.

1.2 Unboxing

● Before opening the box, please checkthe package for damage during transport.

● After opening the box, please check the packing list to ensure that all parts are present and there are no damage to parts.

  If you find any shortage or damage, please contact your retailer.

1.3 Structure

X4 Details

Up key: up switch to select items and increase the number
Down key: down switch to select items, and reduce the digital
Set key: go to the next page and confirm your selection
Esc key: returns to the previous page and deselect selection

LCD screen 2.6inch

Control box

Pump head 4pcs

PharMed®BPT tubing
Straight connectors 4*2pcs

out in

The placement of the dosing pump should always be higher than the tank to prevent any possibility of a siphon from the aquarium.

The input tube should be as short as possible, output tube should be above the container that the liquid is being dosed into. Please check carefully after connecting the tubes to make sure they are not reversed.

1.4 Accessories

1.4.1 Pump heads (including tube)

Standard tubing is PharMed BPT which is rated for continuous work up to 2000.

1.4.2 Connecting tube

PVC transparent tube - pump input and output connection tube.

1.4.3 Tube Bracket

1.4.4 Power Transformers

Support GB, European standard, American Standard, Australian Standard.

1.6 Specification:

Model: X4

Power adapter parameters
Input: See Power Adapter tab
Output: DC12V 1000mA

Work environment
Working Temperature: 0 - 70 ℃
Humidity: 10% - 90% (non-condensing)

Storage environment
Storage temperature: -20 ℃ - 85 ℃
Storage Humidity: 10% - 90% (non-condensing)

Dosing
Dosing Channel: 4
Dosing times: 24 times / day -- once / 7 days
Fluid volume: 1 ml - 5000 ml
Fluid volume accuracy: <± 2%
Pump tube life:> 2000 hours

Configuration
Pumping head: 4pcs of KPP
Display: 132x32 dot matrix LCD screen
Backlight mode: Standby off automatically
Control Interface: WIFI interfaces, PC software settings, Android settings
Extended Interface: RS485
Liquid level detection: 4 liquid level sensor
Temperature detection: with a temperature sensor, with temperature alarm thresholds
(alarm values   can be set)

Shape
Dimensions (length × width × height): 250 × 150 × 75
Weight (without power adapter): 900 g