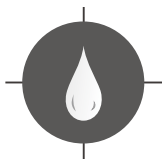


# OPERATION MANUAL

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HAND HELD  
DISPENSING CONTROLLE

HIGH PRECISION



//Thank you for choosing Chuangrui peristaltic pump, please read this manual carefully  
before use to ensure correct operation, use effect and product maintenance.//

## • Important information •

- Please read this operation manual carefully before using the product!
- The contents of this operation manual are for reference only.
- Chuangrui reserves the right to make changes to the product without prior notice.  
(Design or specification)
- For the latest version of this manual, please contact the official or authorized distributor of Chuangrui.
- 2020.11.05.0 version



## Safety warning

- Before any cleaning and maintenance work, be sure to cut off the power supply.
- The tube may cause cracks due to wear and tear, causing liquid to overflow from the tube. At this time, it may cause harm to human bodies and equipment, so frequent inspection and timely replacement of the tube!
- If the control cable is worn or otherwise damaged, unplug it (handle the plug, not the control cable).
- If the following occurs, turn off the power and unplug the power plug (handle the plug, not the power cord).
  - ① Fluid splashed on this product.

You think this product needs maintenance or repair.

- The external control plug must be loaded and unloaded in the power-off state to prevent burning the external control interface.

# CONTENTS

Recautions.....	1
Product description .....	1
Structure size .....	2
Applications .....	2
Features .....	3
Product installation.....	3
Button operation .....	5
Accessories selection .....	5
Product Maintenance .....	6
Warranty .....	6
Disclaimer .....	6

## Hand Held Dispensing Controlle

### >>Recautions .....

- **Safety:**

- Observe safety precautions when handling/filling hazardous liquids.
- Please determine whether you need to wear personal protective equipment when operating in accordance with the nature of the fluid and industry specifications.
- Non-professionals are not allowed to match this product with non-specified equipment to reduce safety risks.
- Specify special operation procedures for hazardous fluids to prevent personal injury.

- **Filling nozzles and tubes:**

- In the event of a pipeline failure, it is necessary to ensure that the fluid in the pump tube can be discharged to a suitable container or drain.
- Ruptured pump tubing may cause fluid splashing, so please take appropriate protective measures.
- When disassembling and assembling tubes and filling nozzles, it is necessary to cut off the power supply and drain the fluid to ensure that there is no pressure in the pipeline.
- Ensure that the chemicals to be transferred are compatible with filling nozzles, tubes and their accessories.

### >>Product description .....



#### Filling & Transmission

Hand-held filling • Press to dispense  
Maximum treatment liquid volume 12000ml/min

\*Smooth flow

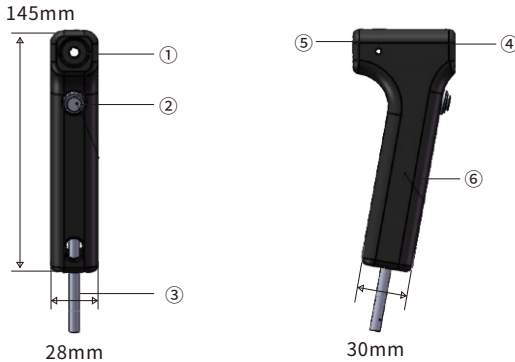
\*Lightweight and durable

\*Easy to operate

- Chuangrui new Hand held dispensing controlle,Mainly suitable for manual and semi-automatic dispensing of peristaltic pumps. Connected to the external control port can realize transmission and distribution functions. It can also be used for the handheld transmission of various types of liquids; supporting four different sizes of filling nozzle, the maximum treatment liquid volume can reach 12000ml/min, the transmission is stable, the application is flexible and wide, the feel is light and comfortable, the operation is convenient, it is the ideal choice for manual filling liquid and transferring liquid.

## >> Structure size(mm)

Does not contain filling nozzles



- ① Shaft sleeve interface (shaft sleeve-plastic)
- ② Control button (button-stainless steel)
- ③ Control cable
- ④ Pump tube port (liquid inlet)
- ⑤ Filling nozzle port (liquid outlet)
- ⑥ Control handle (aluminum alloy)

• Note:

- The length of the cable can be customized according to customer needs
- The control button has two options: self-locking button and normal button

## >> Applications

- This product is mainly suitable for manual and semi-automatic filling of peristaltic pumps. It is mostly used in the working environment with manual filling requirements, and can also be used for hand-held transmission of various liquids.

**Laboratory reagents / product addition / manual filling / cosmetics**

### >>Features

- Connected to the external control interface of the peristaltic pump, it can achieve constant flow transmission and dispensing operations. (Combine the relevant settings of the peristaltic pump)
- Support level signal transmission operation and pulse signal transmission operation.

**Manual filling:** hand held dispensing controlle, press to dispense, flexible and convenient operation;

**Main operation:** start and stop signal output;

**Durable material:** the main body is made of aluminum alloy, light and hand-held, strong and durable;

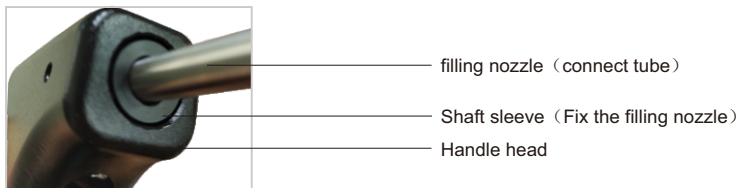
**Volume appearance:** beautiful appearance, small size, comfortable feel;

**Matching application:** It can be matched with four sizes of filling nozzle, which is widely used;

**Cable length:** can be customized to better meet the actual application needs of customers.

### >>Product installation

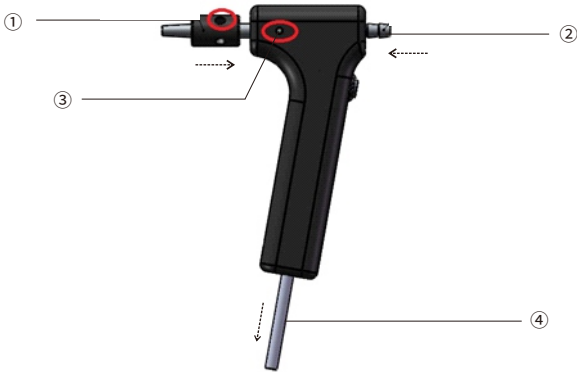
- **Installation of fixed shaft sleeve and filling nozzle**



- 1.Embed the shaft sleeve matched with the filling nozzle into the handle first, Pay attention to align the screw hole of the Shaft sleeve with the screw hole of the handle;
- 2.Connect the matching tube to the filling nozzle, insert the Shaft sleeve, and adjust the outlet end of the filling nozzle to the required position;
- 3. Screw the set screw clockwise into the screw hole of the handle to fix the filling nozzle (4 screws up, down, left, and right);
- 4.Insert the control cable into the external control interface of the peristaltic pump to complete the installation.

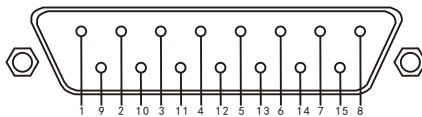
**Note:** When assembling and unloading, the lower set screw does not need to be completely removed

As the picture shows:



• **Wiring installation**

Chuangrui Hand Held Dispensing Controller's external control cable is a standard DB-15 connector, which is suitable for all DB-15 type peristaltic pumps.



1. Turn off the power and fully insert the connector into the DB-15 external control port of the peristaltic pump;
2. Tighten the screws on both sides to fix the control wire connector;
3. Turn on the power, set the drive to external control start and stop, and then select the signal mode;
4. After the setting is completed, the start and stop of the liquid flow can be manually controlled by the button to realize manual transmission/manual filling.

## >>Button operation



- **Two options: self-locking button/normal button**

\*Self-locking button

Set the drive to external control start and stop, select signal mode

- Level mode: single press starts, single press stops
- Pulse mode: double press start, double press stop (to prevent misoperation)




\*Normal button

Set the drive to external control start and stop, select signal mode

- Level mode: continuous press to enter and maintain the running state, release the button to stop
- Pulse mode: single press starts, single press stops

## >>Accessories selection

- According to Filling nozzle specifications, select the corresponding bushings and set screws of the corresponding specifications, the selection guide is as follows:

Filling nozzle	16#	17#	36#		82#
Shaft sleeve					82#filling nozzle don't need to use shaft sleeve
Set screw	M4x8	M4x8	M4x5		M4x5
Tube(ID*Wall thickness)	16# (3.1*1.6)	17# (6.4*1.6)	36# (9.6*2.4)	73# (9.6*3.3)	82# (12.7*3.3)
Pump head	YZ1515x	YZ1515x	KZ25	YZ35 /YZ35-13	YZ35 /YZ35-13



## >>Product Maintenance .....

- Handle is not resistant to super corrosive liquids, special attention should be paid when using;
- When splashing liquid on the surface, please use a dry rag to wipe in time to avoid potential safety hazards;
- When the control cable is used or stored, it is not allowed to be bent excessively;
- When tightening the screw, it can play a fixed role, without over-tightening, so as not to affect the service life

## >>Warranty .....

- The warranty period of this product is one year.
- In the warranty period, if the user's improper operation or artificial damage caused the failure, the company is not responsible for the warranty.

## >>Disclaimer .....

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- Chuangrui reserves the right to make changes to the product without prior notice.  
(Design or specification)
- We edit the information contained in this document from the correct angle, but Chuangrui will not be responsible for any errors.
- If you need the latest version of the product's operation manual, please contact the official.
- Chuangrui is not responsible for non-product quality problems or losses caused by human error.
- **Warning**
- This product should not be used for device applications that have problems.
- This product is not designed to be used in hazardous work areas, and is not suitable for flammable and explosive environments, including but not limited to the transmission of flammable liquids.





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