

***PP01***

**Portable gas sampling pump**

**Operation manual**



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## 1 Brief introduction

PP01 gas pump is the new developed type of portable gas sampling equipment. This product has clean and beautiful outer appearance and it is convenient for installation and operation, with small size, light weight, less noise and steady functionality etc., it can work continuously long time. It is suitable for sampling gases from the atmospheric environment.

### Features:

- Good shock resistance and impact resistance
- Good looking appearance, ergonomic design, convenient and suitable for using.
- Easy to change the filter after it loses efficacy, easy for after sales maintenance.
- Good sealing, easy for installation, air outlet joint with self-locking sealing design, which prevent to be pulling off effectively, and secure its working, rest assured.
- Pump blocked alert, working/under-voltage indication light can show the device's working status.

## 2 Specification

Power: DC3V $\pm$ 30% (2 pcs AA 1.5V dry batteries);

Current: <100mA;

Sampling flow:  $\geq$ 320ml/min;

Working temperature: -10℃ $\sim$ 60℃;

Working humidity:  $\leq$ 95%RH;

Material: ABS housing;

Dimension:l**×**b**×**h:42**×**27**×**160(mm);

Weight: about 140g (including the batteries, without the pipes)。

### 3 Structure & function



NO.	Function
1	Sampling pipe
2	Rubber seal ring
3	Filter cotton
4	Power switch
5	Power indication light
6	Block indication light
7	Fasten cover nut
8	Air outlet pipe

#### Indication light and buttons' function:

- **POWER indication light:** green light means working, red light means under-voltage.
- **BLOCK indication light:** red light means pump blocked, please clean the sampling pipe and change the filter cotton.
- **Power switch:** Press the button down side to power on, press again, the button will come up and power off the pump.

## 4 Operation

**Connect sampling pipe:** First twist off the white transparent dustproof cap, then connect the sampling pipe to the air inlet joint. There are two type of sampling pipe, hard pipe (sampling probe) and soft pipe (soft sampling tube), choose and use the best suitable one.

**Connect air outlet pipe:** First twist off the fasten cover nut at the air outlet side, then connect air outlet pipe through the fasten cover nut and then to the air outlet joint, screw up. Then screw on the fasten cover nut again. Connect the other side of the air outlet pipe to gas detector's air inlet port. Please be sure the connections are firmly in case of gas leakage.

## 5 Precautions

5.1 Corrosive gases or liquid can not be extracted, neither gases which consist the above related substances. And please note that only use the pump in good ventilation environment.

5.2 Replace the rubber seal ring if it is found damaged during using in case of gas leakage.

## 6 Accessories

Sampling pump 1 pc

Sampling probe 1 pc

Filter cotton 5 pcs

Warranty card 1 pc

soft sampling tube 1 pc

air outlet pipe 1 pc

manual 1 pc

conformity certificate 1 pc

Maintenance record			
Date	Maintenance details	Maintenance by	Remark

