



**Kingpo Technology Development Limited**

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## **Anesthesia breathing bags leakage tester**

### **USER MANUAL**



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**Packing List**

**Model: KP-1543A**

**Product: Anesthesia breathing bags leakage tester**

**No.:**

**Date of delivery:**

Product and accessories:

| <b>Item</b> | <b>Name</b>                              | <b>Qty</b> | <b>Unit</b> | <b>Remark</b>      |
|-------------|--|------------|-------------|--------------------|
| Product     | Anesthesia breathing bags leakage tester | 1          | unit        |                    |
| Accessories | air tube                                 | 1          | pcs         |                    |
|             | Power cord                               | 1          | pcs         |                    |
| Documents   | Operation instruction                    | 1          | copy        |                    |
|             | Warranty card                            | 1          | copy        | In the instruction |
|             | Packing list                             | 1          | copy        | In the instruction |

The equipment and accessories listed in this table, exclude optional items. If optional items purchased, please check it together with this table on received equipment.



## **Anesthesia breathing bags leakage tester**

Dear user:

Hello, thanks for choose and purchasing Kingpo product.

We declare that this equipment is brand new and in good condition, and will keep provide good after-sale service, endeavor to ensure timely resolution of your problem.

To protect your legal rights, solve your worries, our company makes the following statements to you:

1. inspected okay, while found serious quality problem in a week. We will provide a new machine to replace it when the problem confirmed by our company's technology department.

2. we provide one year warranty for free, life-span maintenance. Out of free warranty, only material cost will charged.

3. please keep the instruction well, and read carefully before operate the machine. Any question on operation, maintenance and repair, please contact us, we will response in one working day.

**Note:**

A. Damage due to human or irresistible force;

**B.** Damage due to transformation, decomposition, assembling without permission are out of free warranty range.



## **1. Description**

Anesthesia breathing bags leakage tester manufactured according to ISO5362-Annex A to test the leakage rate of the Anesthesia breathing bags

## **2. Specifications**

According to: ISO5362-Annex A

Pressure range: 0-100kpa

Accuracy:  $\pm 0.25\%FS$

Flow range: 0-100ml/min

Accuracy:  $\pm 2.5\%FS$

Test time: 0-9999s

Control: PLC+ touch screen

## **3. Operation**

## 3.1. Equipment structure



① Touch screen: Touch screen: Set test parameters and display test results

② Power switch

③ USB: Data download

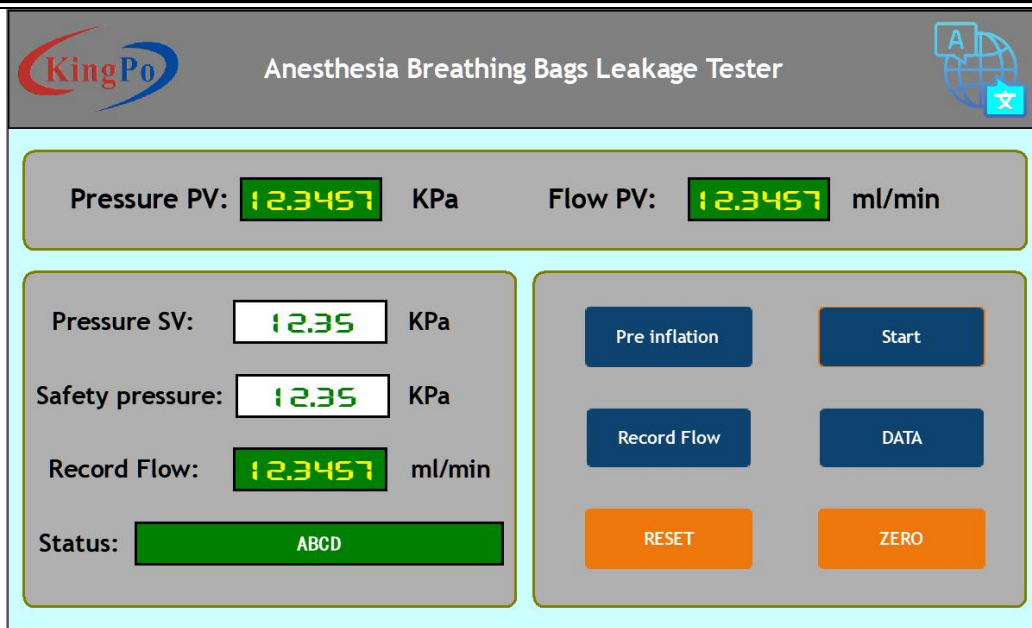
④ Air outlet

⑤ Flow regulating valve

⑥ Power cord socket

⑦ Air inlet

## 3.2 Operation page introduction



Pressure SV: Pressure Set

Pressure PV: Pressure display

Flow SV: Flow Set

Flow PV: Flow display

Data: Flow curve display and Pressure curve display

Start: Device startup

Zero: Flow and pressure values are cleared

Pre inflation: Manual inflation

Record flow: Record flow value

Safety pressure: Pressure protection, Prevent damage to sensor

### 3.3 Test



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3.3.1 Power on the device and connect the test air source to the device Air inlet ( $<0.1\text{Mpa}$ )

3.3.2 Connect the test sample to the device outlet. Cover with a clear shield.。

3.3.2 Click the "Pre inflation" button to adjust the flow valve. When the pressure is displayed as  $3 \pm 0.3\text{kPa}$ , close the "Pre inflation" and close the flow regulating valve

3.3.3 Click the "Start" button, fine-tune the flow valve, and let the pressure stabilize for 2 minutes when the pressure is displayed as  $3 \pm 0.3\text{kPa}$ . There was no change in pressure after 2 minutes

3.3.4 Click the "Record flow" button to record the flow value