麦芽传感科技
Maiya Sensor Technology



MY-Pump A

Product specification

Portable gas sampling pump

Product introduction

Hand-held portable gas sampling pump is made of advanced electronic technology and sophisticated technology. Can be connected with the company's compound gas detector, or with all kinds of imported or domestic gas.The detector is compatible. It is an ideal air pump to enter restricted space, such as mine city sewer pipe, cabin and other closed and narrow space gas sampling, detection of toxic and harmful gases in distant space.

The company's gas sampling pump only needs to connect it to the gas detector and start the electric pump switch to continuously remote sampling, convenient use, simple operation, so that the gas detector has free diffusion and pump suction detection mode.

Scope of application: municipal gas, environmental monitoring, coal, metallurgy, chemical testing and other places.

Product characteristics

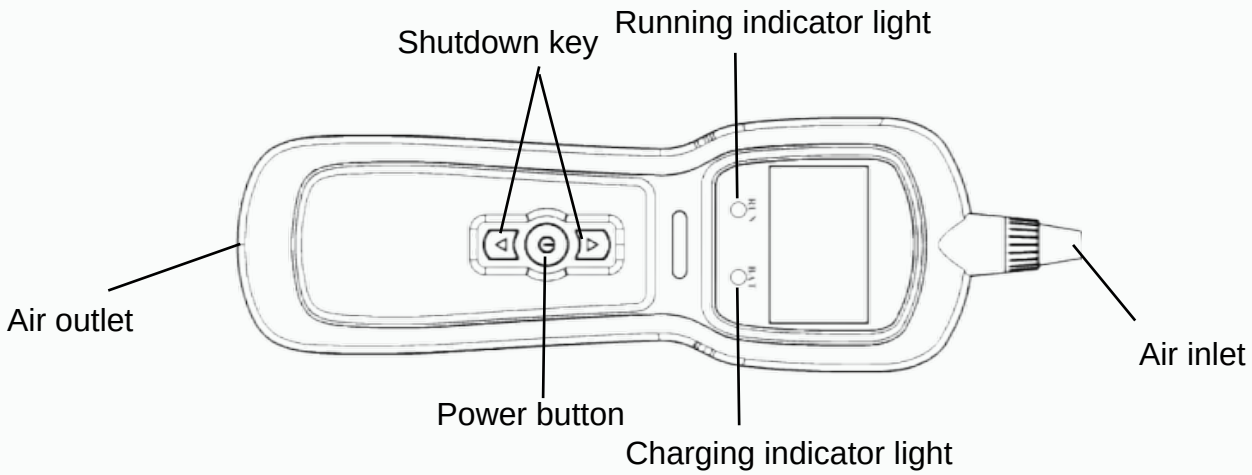
The company's portable gas sampling pump adopts advanced air compression technology, equipped with high-quality micro sampling pump; The shell is made of high quality flame retardant plastic. The air inlet of the instrument is made of pure copper material, which is corrosion resistant. The detection tube is made of high-grade aluminum alloy, and the lengthened design can accurately grasp the detection direction.

Portable gas sampling pump has the advantages of stable operation, long service life and high sampling efficiency. The internal connection adopts sophisticated silicone tube, which has the characteristics of high tear resistance, aging resistance and high temperature resistance, so as to effectively avoid the harm of gas leakage in the sampling process, and complete the work of gas sampling with high quality. Built-in large capacity lithium battery can work in special environment for a long time. This product is especially suitable for gas concentration detection or leak detection of pipeline, adit and tank and other confined Spaces, and can be applied to all kinds of special occasions of measurement and sampling needs.

Technical parameter

Product Name	Portable gas sampling pump
Working principle	Diaphragm self-priming type
Working pressure	-35Kpa
Operating voltage	DC3.7V (1800mAh rechargeable lithium battery)
Charging time	4h~6h
Standby time	More than 8 hours on full charge
Operating environment	Temperature -10° C~60° C ; Ozone-free, oily environment;Humidity ≤95%RH (no condensation)
Storage environment	-40 ° C to 80 ° C
Dimensions	218mm*66mm*25mm
Weight	157g
Standard configuration	One packing box, one main engine, one alloy sampling rod, one data cable, one power socket, one pure silicone gas pipe, one certificate.

Product structure



Basic operation

1. Charging operation

Open the sealing rubber strip of the charging port, connect the instrument charger to charge, and the charging indicator will light up at this time;

If the charging indicator is steady red, it indicates that the charging is underway. Steady blue indicates that the battery is fully charged.

If the charging indicator is not on, please check whether the charger is correctly connected and whether the plugged power supply has power. If you are sure it is the product problem, please contact our company for solution.

2. Switch the machine on and off

The soft rubber button with a power-off mark in the middle is the power start button. If you press it, the sampling pump will be started for sampling. At this time, the blue running light of the sampling pump will be steady on, and the internal sampling pump will pump air and vibrate, and work at a flow rate of 500ml/min. The upper and lower buttons can stop the sampling and pumping energy of the instrument. If the button is pressed, the blue running light of the sampling pump will go out and the sampling pump will stop working.

3. Instrument connection test use

First, connect the metal sampling probe (threaded end) with the air inlet end of the instrument and tighten it;

Then, the air outlet at the bottom of the sampling pump is connected to the gas plug cover of the corresponding gas detector interface of our company with a matching silicone hose, so that the air can be transported through the gas plug cover and pipeline, and tested by the gas detector;

Finally, put the other end of the metal sampling probe tube into the gas to be measured. After confirming that the connection is correct, start the sampling pump for sampling.

Note: The gas plug and sample tube should be tightened to prevent gas leakage and affect the accuracy of measurement.

Attention

Note: To ensure maximum safety, please read and follow the following precautions before using the instrument.

1. Do not make the instrument fall from the height or suffer severe shock, otherwise it will lead to internal loosening and gas leakage.
2. Please use the instrument within the permitted range of temperature, humidity and pH, otherwise the performance of the instrument will be affected.
3. Before using the instrument for the first time, please use the special matching charger to fully charge the instrument before use.

4. In order to prevent ignition of combustible gas, please do not charge the battery in dangerous environment.
5. This instrument uses lithium ion battery, if used improperly, there may be leakage or explosion risk. Do not remove the battery or put it on fire.
6. Please test the function of the instrument according to the basic operation instructions of the product before use.
7. Please be sure to keep the vent of the instrument clean, in case the blockage of the vent pipe causes the wrong detection of the corresponding sensor and leads to safety accidents.
8. Do not disassemble or replace instrument components in an explosive gas environment.
9. If you suspect that the instrument is not working properly, please contact our company immediately for a solution.
10. Any use or failure beyond the description of this manual, please contact our company for solutions, please do not disassemble and repair without authorization.

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