Huazheng®

HZCOP58
SF6 Infrared Quantitative Detector

Huazheng Electric Manufacturing (Baoding) Co., Ltd

Dear user:

Thank you for choosing HZCOP58 SF6 Infrared Quantitative Detector.

We hope that this instrument can make your work easier and more enjoyable, so that you can get the feeling of office automation in the test and analysis work.

Before using the instrument, please read this manual, and operate and maintain the instrument according to the manual to prolong its service life. "Just a light press, the test will be completed automatically" is the operating characteristics of this instrument.

If you are satisfied with this instrument, please tell your colleagues; if you are not satisfied with this instrument, please call (0312) 6775656 to tell you to serve you at all times-Baoding Huazheng Electric Manufacturing Co., Ltd., our company will definitely make you satisfied !

Contents

I.Overview

The HZCOP58 SF6 infrared quantitative detector is a new generation product for measuring SF6 gas leakage. It adopts the original imported sensor of German smart GAS, and the principle of dual-beam dual-wavelength non-dispersive infrared absorption spectroscopy (NDIR). High-speed embedded MCU, complete software and hardware design, greatly improve the operation stability and detection accuracy, can quickly and accurately quantitatively detect the leakage points of SF6 circuit breakers and GIS, and also have basic functions such as data storage and query .

This instrument is very suitable for power supply departments, installation and maintenance units and power test institutes. It is also very suitable for SF6 high voltage switch factory as a supporting instrument for SF6 electrical equipment and export products, thereby improving the overall product level.

II.Main Specifications

(1) Resolution: 1ppm (high range type) 0.01ppm (high precision type)

(2) Detection range: 0～1000ppm (high range type) 0～50ppm (high precision type)

(3) Response time: <3 seconds

(4) Recovery time: <5 seconds

(5) Quotation error: ≤±2%[0~1000] ppm ≤±10%[1000~5000] ppm (high range type)

≤±2%[0~50] ppm ≤±10%[50~300] ppm (high precision type)

(6) Repeat error: ≤2%

(7) Display mode: 3.5-inch color touch screen display

(8) Detection length: straight rod type 130mm, plastic hose can be added at the front end of the air inlet to extend

(9) Continuous working time: ≥8 hours

(10) Instrument power supply: rechargeable four-cell lithium polymer battery, DC8.4V

(11) Use environment: temperature: -10℃～50℃

Relative humidity: ≤95% without condensation

(12) Weight of the whole machine: 0.7 kg

(13) Equipment size: length×width×height=330mm×110mm×70mm

(14) Aluminum alloy box size: length×width×height=450mm×230mm×130mm

III.Product features

The first domestic imported sensor that uses dual-beam dual-wavelength non-dispersive infrared absorption spectroscopy (NDIR) technology to replace imported infrared detectors, which improves the reliability of SF6 leak detection results and the accuracy of quantitative leak detection. It can be switched on and off in SF6. Detect the leakage of SF6 within the range of leakage rate

- It can quantitatively detect the concentration of trace SF6 gas in ambient air
- It can accurately locate the gas leakage point of SF6 gas equipment
- It can quantitatively detect the SF6 concentration content in the surrounding air from the leakage and diffusion of SF6 gas equipment
- It can quantitatively detect the leakage amount and leakage rate of SF6 gas equipment
- Small size, light weight, with anti-off wrist strap, can be operated with one hand
- The display is intuitive, using a color touch screen, with simple and intuitive effects
- Sound and light alarm, two levels of alarm values can be set, when SF6 exceeds the alarm value, the instrument will sound and light alarm
- With on-site anti-jamming special program and data protection function
- 8000 sets of test data can be saved inside
- Rechargeable four-cell lithium polymer battery, reliable explosion-proof, long use time, can be used continuously for 8 hours at a time, suitable for on-site, SF6 high-voltage switch factory and research institute use.
- With advanced power management system, automatic standby
- Compact structure, beautiful appearance, concise content, simple operation