Huazheng®

HZ6531
Petroleum Sediment Tester

Huazheng Electric Manufacturing (Baoding) Co., Ltd

Dear user:

Thank you for choosing HZ6531 Petroleum Sediment Tester. 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.Purpose and scope of application

This instrument is designed and manufactured in accordance with the requirements of the People's Republic of China standard GB/T6531 "Crude Oil and Fuel Oil Determination of Sediments", and is suitable for determining the content of crude oil and fuel oil in accordance with the test method specified in the GB/T6531 Standard . This instrument has a dual structure, which can test two samples at the same time.

II.Main technical indicators

1. Power supply: AC220V±10%, 50Hz.

2. Heating power: 300W×2.

3. Heating control: Triac stepless voltage regulation control.

4. Ambient temperature: ≤35℃.

5. Relative humidity: ≤85%.

6. Power consumption of the whole machine: not more than 600W.

III.Instrument structure and electrical principle

1.Instrument structure

(1) Voltage meter: Indicate the working voltage value of the heating electric furnace.

(2)Power switch: Turn on this switch, and the instrument is connected to the working power supply.

(3) Heating adjustment: used to adjust the heating power of the heating electric furnace.

2.Electrical principle

The circuit is mainly composed of a heating jacket and an AC voltage regulating circuit. The power of the heating jacket is 300W, and the working voltage of the heating jacket is displayed by a voltmeter connected in parallel in the heating circuit. Two switches respectively control the working state of the two groups of circuits.

IV.Use of the instrument

1. Read the instruction manual carefully before using this instrument.

2. Carefully read the People's Republic of China standard GB/T6531 "Determination of Sediment in Crude Oil and Fuel Oil", understand and be familiar with the test methods, test procedures and test requirements stated in the standard.

3. According to the requirements stipulated in the standard, prepare various test instruments and materials for testing, and clean and dry all glassware and instruments.

4. Check the working status of the instrument to make it meet the working environment and working conditions specified in the manual.

5. Check the case of the instrument, it must be in a good grounding state, and the external power supply must have a good grounding terminal.

6. Turn on the power supply and adjust the heating adjustment knob clockwise according to the test requirements. The voltage value displayed on the voltmeter will increase and the temperature of the heating jacket will rise. Choose the appropriate voltage to control the heating speed.

7. According to the requirements of GB/T6531, extract the sample with hot methanol until the residue reaches a constant weight.

Express the amount of residue in percent by weight and report it as "extraction sediment".

8. After the test, the power should be turned off in time. When the instrument is not used for a long time, it should be placed in a ventilated, dry, and non-corrosive gas environment.

Warning: If the instrument fails, the power should be cut off in time, and the professional technicians should check and repair and eliminate the failure before continuing to use it to prevent accidents!

V.Common faults and troubleshooting methods

No.	Common faults	Reason	Elimination method
1	The indicator light does not light up	Power off Bad indicator	Check the power supply Replace the switch
2	Voltmeter does not indicate	The heating wire is blown Fuse is broken	Replace the heating furnace Replace the fuse
3	Voltmeter oscillation (or sudden change)	Potentiometer resistance change	Replace the potentiometer

VI.Packing list

No.	Item	Qty
1	Tester	1
2	Erlenmeyer flask 1000ml	2
3	Condenser	2
4	Wire bracket	2
5	Extraction sleeve	2