Huazheng®

HZYN-1303Z
Fully Automatic Kinematic Viscosity Tester

Huazheng Electric Manufacturing (Baoding) Co., Ltd

Dear user:

Thank you for choosing HZYN-1303Z Fully Automatic Kinematic Viscosity 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.Overview

HZYN-1303Z Fully Automatic Kinematic Viscosity Tester is an upgraded product newly developed by our company and adopts an integrated floor-standing model. It can meet four national standards at the same time: GB/T 265 "Petroleum Products Kinematic Viscosity Determination Method and Dynamic Viscosity Calculation Method", GB/T 1995 "Petroleum Product Viscosity Index Algorithm", GB/T 11137 "Dark Petroleum Products Kinematic Viscosity Determination Method" (countercurrent method) and dynamic viscosity calculation method", GB/T 8170 "Numerical Rounding Rules and Representation and Judgment of Limit Values" and National Metrological Verification Regulations JJG 155 "Working Capillary Viscometer". It can be used to measure the kinematic viscosity of transparent or translucent oil without wall, or use a countercurrent tube to measure the kinematic viscosity of black wall-mounted oil. It is automatically controlled by the most advanced microcomputer program independently developed, and the whole process of the test is completed automatically. It is widely used in petroleum, chemical, military, scientific research, pharmacopoeia and other testing or measurement departments to determine the concentration of liquid petroleum products (referring to Newtonian liquids) and polymer dilute solutions. Kinematic viscosity (mm2/s).

II.Technical parameters

1. Working power: 220V±10%, 50Hz
2. Temperature control range: room temperature～120℃

   Optional 0～120℃
3. Temperature control accuracy: ±0.05℃
4. Temperature resolution: 0.001℃
5. Temperature uniformity in the test bath: 0.1℃
6. Timing accuracy: ±0.1s, resolution 0.01s
7. Sensing system: American NANMAC imported sensor

8. Number of samples: 2 channels

9. Maximum power: ≤2KW

10. Ambient temperature: 5～45℃ Relative humidity: ≤85%

11. Dimensions: 550mm×600mm×1350mm

12. Instrument mass: 130kg

III. Technical characteristics

1. Adopt 10-inch color high-definition LCD touch screen, all Chinese operation interface, easy to operate. It can store 100 groups of test data, which can be queried and printed at any time. Equipped with embedded thermal printer for fast printing.

2. Imported PT1000 platinum resistance temperature sensor is adopted, which can measure the temperature accurately, so that the display resolution can reach 0.001℃, and the temperature control accuracy is ±0.04℃.

3. Powerful software data processing system, with viscometer calibration [JJG155] program, with viscosity index calculator.

4. Asynchronous determination of two samples can be performed at the same time, and the processes of constant temperature/ detection/ sample spiration/ calculation/ printing/ cleaning/ coagulation are automatically completed.

5. It has powerful fault identification, error information output and fault handling capabilities, which is convenient for users to analyze and judge the status of the instrument, and quickly deal with instrument faults.