

YK-3233C Coulometric Karl Fischer Titrator

Summary

The instrument is designed and made as per national standard of China *GB/T 7600 Standard Test Method for Water Content of Transformer Oil in Service (Coulometric Method)*, industrial standard of China *SH/T0246 Standard Test Method for Water Content of Light Oils (Coulometry)*, reference *ASTM D1533 Standard Test Method for Water in Insulating Liquids by Coulometric Karl Fischer Titration* and *ASTM D6304 Standard Test Method for Determination of Water in Petroleum Products, Lubricating Oils and Additives by Karl Fischer Titration*. It is used to determine water content in the liquid petroleum products.

The instrument adopts microcomputer control technology, with the characteristics of fast analysis speed, high precision, LCD display, automatic printing, menu selection and other functions; It is a fully functional, easy to operate, automatic measuring and analyzing instrument.

I. Main technical features

1. It can be used for micro analysis of low content samples with high sensitivity.
2. The 0.5ul injector is equipped, and the calibration of the instrument is fast and accurate.
3. The unique alternating balance isolation detection technology makes the balance detection more rapid, accurate and stable.
4. Friendly man-machine dialogue, with touch screen man-machine interactive interface.
5. Printer: Printing is quieter, faster and clearer.
6. Program control is adopted to adjust the mixing speed by inputting numbers directly from the interface.

II. Main technical specifications

1. titration method: microprocessor controlled titration.
2. electrolytic current output: 0-400MA automatic control.
3. display system: LCD color 7 inch large screen display.
4. man-machine dialogue mode: touch screen input.
5. sensitive valve: 0.1ugH₂O.
6. accuracy : 10ug - 1mgH₂O is $\pm 3\mu\text{g}$, 1mgH₂O above, 0.3% (excluding injection error).
7. power consumption: Less than 100W.
8. the use of environment: temperature 5°C - 40°C, humidity less than 85%.
9. power supply: AC220V $\pm 10\%$ 50Hz $\pm 2.5\text{Hz}$.

