

CSA.304

Product Overview

Transformer oil corrosive sulphur analyser is designed and manufactured according to the standard SH/T0304-1999 "Electrical Insulating Oil Corrosive Sulphur Test Method". This equipment is suitable for qualitative analysis of corrosive sulphur in transformer oil and normally adopts copper corrosion detector to test.

Transformer oil contains some substances that can cause corrosion under certain operating conditions. Transformer Oil Corrosive Sulphur Analyzer operates to detect the two kinds of non ideal impurities: free sulphur and corrosive sulphur.

In many situations, transformer oil is exposed to corrosive metals.

The extent of corrosion depends on the amount, type, time and temperature of the corrosive substances.



Key Features:

- The inner parts are made of mirror stainless steel plate (argon arc welding).
- The shell is made of high quality steel plate and sprayed with plastic.
- Equipped with a large double tempered glass observation window for the observation of workroom status.
- Vertical type: vertical forced convection to ensure the temperature uniformity in the workroom.
- Digital display microcomputer temperature controller offers accurate and reliable control. Precision: 0.1°C (display range).
- With timing function, temperature control protection function, equipped with fan stop switch.
- The insulation system uses super fine glass fibre to fill the heat preservation zone and the inner and outer parts of the joint adopt non-metallic high-temperature resistant materials which can effectively reduce high temperature conduction.
- Hot air circulation system is composed of imported original fans and advanced air ducts which can operate continuously at high temperature.
- Independent temperature limiting alarm system automatically cut-off if exceed the limit temperature to ensure the safe operation of the experiment without accidents (optional).
- In one table structure.

Application:

- Determination of corrosive sulphur index
- Transformer oil quality control
- Transformer oil sulphur
- Content detection
- Transformer oil corrosive sulphur analyser

Measuring Function:

- Temperature range: RT+10°C~200°C
- Constant temperature fluctuation degree: ±1°C
- Temperature resolution: 0.1°C
- Heating rate: 1.0~3.0°C/min
- Timing range: 1 ~ 9999min
- Electrolytic copper: purity of 99.9%, thickness of 0.125-0.250mm
- Power supply voltage: AC220V, 50HZ
- Workroom size: 340 x 270 x 325mm
- Size: 630 x 515 x 505mm

Oil Classification Description:

- Corrosive: the specimen presents :transparent black, black grey or dark brown, graphite or matt black, bright black or lacquered black any degree of exfoliation.
- Non corrosive: the specimen presents: orange, red, purple, blue or multi-colour of silver covered in purple, brass or gold, red orange in brass, showing multi colour of red and green (Blue Peacock) but not grey.
- "Non corrosive" is equivalent to Grade 1, 2, 3 in GB/T 5096, and "corrosive" equivalent to grade 4 in GB/T 5096. In order to make the classification of corrosive sulphur more accurately, can also adopt copper corrosion detector for testing, which must be equipped with imported original copper corrosion standard colorimetric card.