

WIRSAMTEST SYD-0193 Automatic Lubricating Oil Oxidation Stability Tester

(Rotary Oxygen Bomb Methods)

Purpose and scope:

The instrument complies with the Industry Standard “Test Methods for Oxidation Stability of Lubricating Oil (Rotary Oxygen Bomb Methods)”, ASTM D2272.

The instrument is used to determine the oxidation stability of new or used turbine oil, which is composed of base oil and additive. It is also a rapid method for determining the oxidation stability of mineral insulating oil, so that to evaluate the performance of new mineral insulating oil.

Main technical specification and parameters

1. Power supply: AC 220V±10%
2. Power of heating tube: 2500 W
3. Pressure sensor:
 - (1) Full scale: 0 ~ 1.6 MPa.
 - (2) Accuracy: ±2‰
4. Temperature controlling range of oil bath: room temperature ~ 200.0 °C, adjustable. In general it is 150 °C.
5. Temperature controlling accuracy: ±0.1 °C
6. Test type: Two oxygen bombs. You can do test for two samples at the same time.
7. Rotation speed of rotary assembly: 100±5 r/min
8. The angle between the oxygen bomb and horizontal surface: 30°
9. Dimension: 550 mm×800 mm×1000 mm
10. Cubage of oil bath: 30 L
11. Weight: about 45 kg.

