



It can determine the oxidative stability of oils and fats quickly, accurately and intuitively. It is used by related departments and enterprises to study the processing, use, storage, oil selection of foods and oils, and the use of antioxidants and synergists. The oxidative stability study of methyl ester FAME and the like provides an effective scientific basis.

It is mainly suitable to:

- determine animal and vegetable Fats and Oil oxidation stability
- evaluate anti-oxidation degree of antioxidant
- measure oxidation stability of cosmetics with rich grease

## **Model: OST-R3 Oxidation Stability Tester**

### **Applicable standards**

- ISO 6886:Animal and vegetable fats and oils -- Determination of oxidative stability (accelerated oxidation test)
- EN 14112-2003 :Fatty Acid Methyl Esters (FAME) - Determination of oxidation stability (accelerated oxidation test)
- EN15751 Automotive fuels - Fatty acid methyl ester (FAME) fuel and blends with diesel fuel - Determination of oxidation stability by accelerated oxidation method
- EN16568 Automotive fuels - Blends of Fatty acid methyl ester (FAME) with diesel fuel - Determination of oxidation stability by rapidly accelerated oxidation method at 120 Degrees

### **Main Feature**

- 1.The software records variation curve of conductivity automatically,and judge induction inflection point by calculate second derivative of curve;
- 2.When the test is finished,the induction response time and curve will be stored data base for query.
- 3.Besides of induction response time,software can also evaluate the stable time,that is time for conductivity reach to certain value.
- 4.Software can re-evaluate every test curve.Through setting time range,select certain section of curve to evaluate,in order to avoid abnormal data caused by cleaning,sample or others.
- 5.Data base can store all related information,including conductivity curve,induction response time,using method,start and ending time of test.
- 6.Users can set query terms to find test data;
- 7.Software also has functions of multi-curves comparison and analysis

8.Display mode:curve and digital

9.The temperature and flow can be calibrate by software.

10.Working units:4 tubes

11.Each sample is controlled independently,and it can be set automatically according to requirement.

## Technical specification

Temp.controlling	Import PID temp.controller
Flow range	8 ~ 12L/h±10%
Measuring range	0 ~ 800 $\mu$ S/cm
Resolution	0.1 $\mu$ S/cm
Gas source	10L/H with special membrane pump
Temp.controlling method	electrical heating rod
Working temp.	50 ~ 150 $^{\circ}$ C±0.1 $^{\circ}$ C
Power supply	AC220V±10% 50HZ
Power consumption	1.1KW
Result processing	automatical calculation and storing by PC