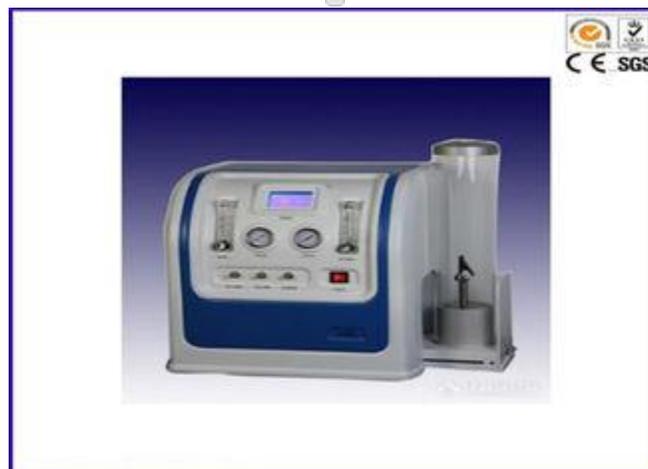




**YUYANG INDUSTRIAL CO., LIMITED**

China Manufacturer of Fire Testing Equipment

## Digital Oxygen Index Apparatus Oxygen Index Tester For Textile / Plastic



- **Product Details:**

- Place of Origin: **China**
- Brand Name: **YUYANG**
- Certification: **SO 4589-2 GB/T 8924 GB/T 16581 ASTM D2863**

- Model Number: YY805
- **Payment & Shipping Terms:**
- Minimum Order Quantity: 1 set
- Price: **Negotiation**
- Packaging Details: **Plywood Box**
- Delivery Time: **5 work days**
- Payment Terms: **T/T L/C Western Union**
- Supply Ability: **5 sets per month**
- Share to :

## **Digital Oxygen Index Test Apparatus ISO 4589-2 ASTM D2863 for Textile, Plastic**

### **Application:**

Under predetermined conditions, in a mixed stream of oxygen and nitrogen measured, just to maintain the minimum oxygen concentration of the sample required for combustion (also known as the oxygen index) - expressed in percent by volume. It can be used to determine the combustion performance of a variety of textiles, including woven, knitted and non-woven fabrics, etc. Also be used to determine the burning of the plastics, rubber, paper, etc

### **Standards:**

ISO 4589-2 Plastics; Determination of flammability by oxygen index--Part 2:Ambient-temperature test

NES 714, NB/SH/T 0815, TB/T 2919, IEC 61144, GB/T 2406, GB/T 5454, GB/T 10707, GB/T 8924, GB/T 16581, ASTM D2863, ISO 4589-2

### **Features:**

1. The Limiting Oxygen Index Tester Adopts England original Servomex Paramagnetic type oxygen sensor, which accuracy can be up to  $\pm 0.1\%$ ;
2. The sensor is better than traditional electrochemical sensor, because it don't need to change oxygen battery, so, it has long lift time more accurate and faster response time.
3. Equipped with 2pcs Mass Flow Controller(MFC) to control N<sub>2</sub> and O<sub>2</sub> mixing ratio;
4. Equipped with high temperature quartz glass tank;
5. Equipped with supported and unsupported sample clamps;
6. Equipped with portable ignition device, gas tank connector, accurate pin valve to adjust the flame;
7. Digital setting N<sub>2</sub> and O<sub>2</sub> concentration;
8. Computer+LABVIEW software to control N<sub>2</sub> and O<sub>2</sub> mixing ratio, read O<sub>2</sub> concentration in mixing chamber, and store&print out test results;
9. Reserve a calibration port to calibrate the sensor;
10. Stainless steel air channel design, equipped with one way fire-resistance valve, magnetic valve, fine filter, so, it is stable and safe;
11. Patented design gas mixing chamber, which ensure the gases can mix the gases in short time, data is more accurate;

### **Specifications:**

1. Oxygen concentration measurement range 0-100%
2. Resolution 0.10%
3. Accuracy  $\pm 0.2\%$
4. Response time <300ms
5. Oxygen stability time <6s
6. Oxygen concentration sensor England Servomex Paramagnetic type oxygen sensor, accuracy:  $\pm 0.1\%$
7. Gas displacement 50L/S
8. Size 600(W)\*310(D)\*545(H)mm
9. Workbench size 1500(W)\*600(D)\*800(H)mm
10. Weight 30kg
11. Power supply AC 220V, 50/60Hz, 5A

