

CRITICAL (LIMITING) OXYGEN INDEX TEST APPARATUS



Made by: Deatak (USA).

Model: OI-3 110-240V 50/60Hz 10/5A

This well-established test complies with a very wide range of national and international standards. It is widely used as a laboratory research tool to measure the comparative FR properties of different materials.

Testing Standard:

ASTM D 2863; BS 2782 PART 1, METHOD 141

ISO 4589 PART 2 ; NFT 51-071

FEATURES:

- Utilizing the latest oxygen analyzer technology, the unit provides a stable, digital readout of oxygen concentration to $\pm 0.1\%$.
- A heavy duty Pyrex chimney is provided, along with two types of sample holder:
 - a: For non-self-supporting sheet samples (e.g. textiles, films, papers, etc.)
Sample size: 150 x 37.5 mm and up to 12 mm thick.
 - b: Self-supporting rod samples (e.g. plastics, wood, etc.). Sample size: 150 mm length and up to 10 mm diameter.
- Automatic calibration.
- Digital selection of oxygen concentration by push-button control.
- Adjustment of oxygen and nitrogen flow is automatic to achieve the desired oxygen concentration.
- Digital Display: Instrument status, oxygen concentration, flow rate, chimney temperature, elapsed time.

- All necessary control valves, flowmeters and filters are built in and the instrument is easy to use.
- The apparatus is supplied complete with a burner assembly and instruction manual.
- 230 V 50Hz
- Weight : 45 kg (100 lbs)

DIAGRAM:

