

# CRITICAL (LIMITING) OXYGEN INDEX TEST APPARATUS

**MODEL OI-1**

**110V 50/60Hz**

**MODEL OI-1-X**

**220V 50/60Hz**

**THIS WELL-ESTABLISHED TEST COMPLIES WITH A VERY WIDE RANGE OF NATIONAL AND INTERNATIONAL STANDARDS. ITS MAIN FUNCTION IS AS A LABORATORY RESEARCH TOOL TO MEASURE THE COMPARATIVE FR PROPERTIES OF DIFFERENT MATERIALS. THEORETICALLY, OXYGEN INDEX VALUES SHOULD BE BETTER FOR PRODUCTS HAVING INCREASED LEVELS OF FR PERFORMANCE. IT CAN ALSO BE USED AS AN IN-HOUSE QUALITY CONTROL TOOL.**

**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:
  - 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.
  - 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.

**SHIPPING WEIGHT: 100 LBS**



**SPECIFICATIONS:**

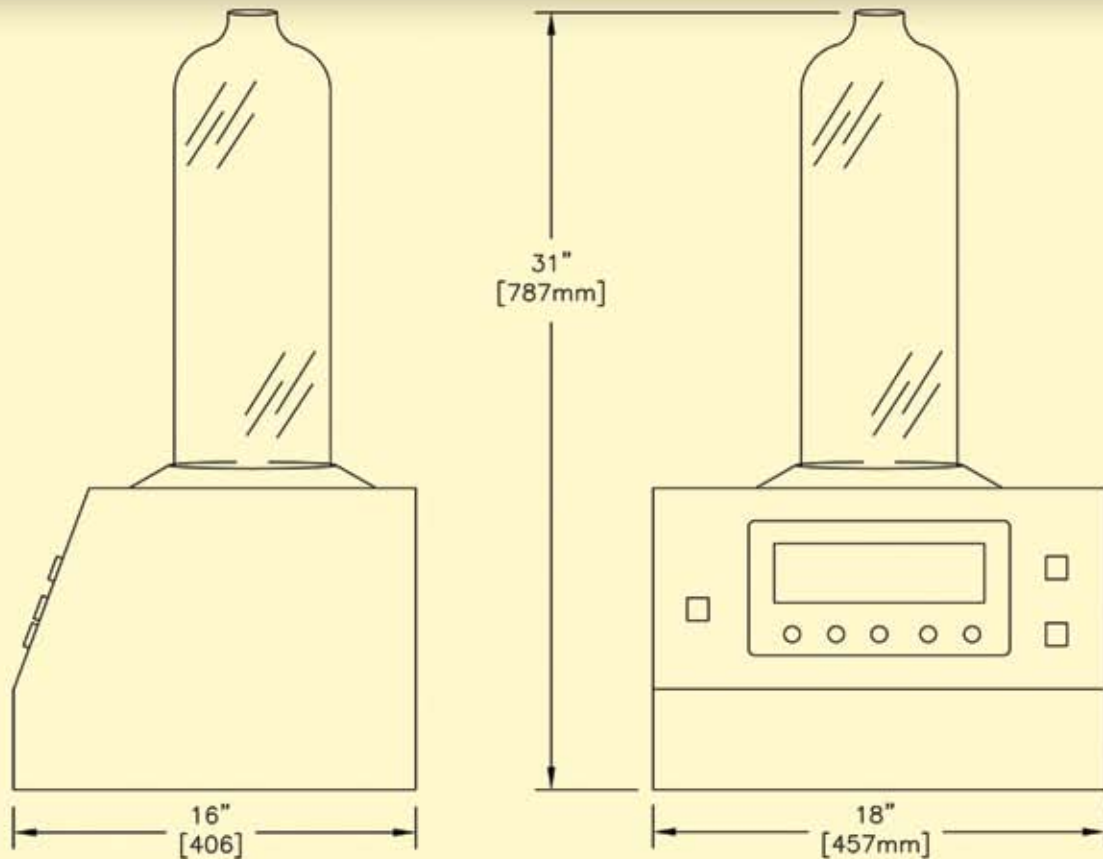
ASTM D 2863  
ISO 4589 PART 2  
BS 2782 PART 1, METHOD 141  
NF T 51-071



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## FLAMMABILITY PRODUCTS & SERVICES AVAILABLE FROM GOVMARK

### FLAMMABILITY TESTERS

45 DEGREE CABINET  
HORIZONTAL CABINET  
PILL TEST APPARATUS  
TPP TESTER  
FLOORING RADIANT PANEL  
SMOKE DENSITY CHAMBER  
VERTICAL CABINETS  
EI62 RADIANT PANEL  
OSU RATE OF HEAT RELEASE  
CONE CALORIMETER (RATE OF HEAT RELEASE)  
FAA OIL BURNER  
CALIF, TECHNICAL BULLETIN 117  
BS 5852  
NIST MATTRESS BURNER (SCREENING TOOL)  
NON-COMBUSTIBILITY APPARATUS  
NFPA 701 TMI AND TM2  
OXYGEN INDEX  
HOT WIRE IGNITION  
UL 94 FUME HOOD  
BLANKET FLAMMABILITY TESTER

### SUMMARY

FABRICS, CA TB117 2000, CANADIAN STANDARDS  
AUTOMOTIVE FABRICS, FAA  
CARPETING AND TENT FLOORING  
PROTECTIVE CLOTHING  
CARPETING AND AIRCRAFT INSULATION  
ALL MATERIALS  
DRAPES, SLEEPWEAR, TENTAGE, FAA  
FLAME SPREAD OF MATERIALS  
FAA INTERIORS  
TRANSPORTATION AND BUILDING PRODUCTS  
SEAT CUSHIONS & CARGO LINERS  
UPHOLSTERY COMPONENTS  
UPHOLSTERY COMPONENTS  
MATTRESSES  
BUILDING AND MARITIME PRODUCTS  
DRAPERIES, BANNERS, EXTERIOR PRODUCTS, ETC.  
IGNITION LEVEL OF MATERIALS  
PLASTICS FLAMMABILITY  
ENCLOSURE FOR UL 94 TESTS  
BLANKETS

GOVMARK OFFERINGS OF TESTERS AND SERVICES ARE CONSTANTLY AUGMENTED. KINDLY CONTACT GOVMARK FOR ANY ITEMS NOT LISTED HEREIN.

## FLAMMABILITY TESTS PERFORMED BY GOVMARK

BOSTON, CALIFORNIA, APPAREL, CAMPING PRODUCTS, CHILDREN'S SLEEPWEAR, DRAPERY, CARPETING, CPSC, MATTRESS, UPHOLSTERY, COAST GUARD, IMO, FAA, NY/NJ PORT AUTHORITY, MINING PRODUCTS AND OTHERS...