

# NBS SMOKE DENSITY TESTER

## MODELS SD-2 & SD-2-X

THE MOST WIDELY ACCEPTED APPARATUS FOR THE MEASUREMENT OF SMOKE GIVEN OFF BY BURNING MATERIALS. MEASURES SPECIFIC OPTICAL DENSITY UNDER FLAMING AND NON-FLAMING CONDITIONS. ALSO FOR EXTRACTION OF TOXIC GASES.

Available in either ASTM or ISO Options or Both Standards Combined.

## FEATURES:

- Stainless steel Test Chamber coated with corrosion resistant lining.
- Full front door opening for easy cleaning.
- Specimen access door for use during testing.
- Interchangeable furnace assembly: ASTM E662 or ISO 5659-2
- Easy change from ASTM E662 horizontal furnace to ISO 5659-2 cone furnace
- One furnace assembly included (either ASTM E662 or ISO 5659-2)
- Additional Furnace system may be ordered as option.
- Photo Detector & Radiometer (light sensing instrumentation).
- Chamber pressure continuously monitored and digitally displayed on control panel.
- Automatic over-pressure relief system.
- Safety pressure relief blow out panel.
- Powered positive venting of smoke effluents after test.
- Easy to use Instrument Control Panel.
- Data acquisition system to record data during test.



## PARTIAL LIST OF SPECIFIERS:

Aircraft standards: Airbus, Boeing, FAA  
Rail Car Standards: U.S. and Euro Rail  
IMO

## PARTIAL LIST OF SPECIFICATIONS:

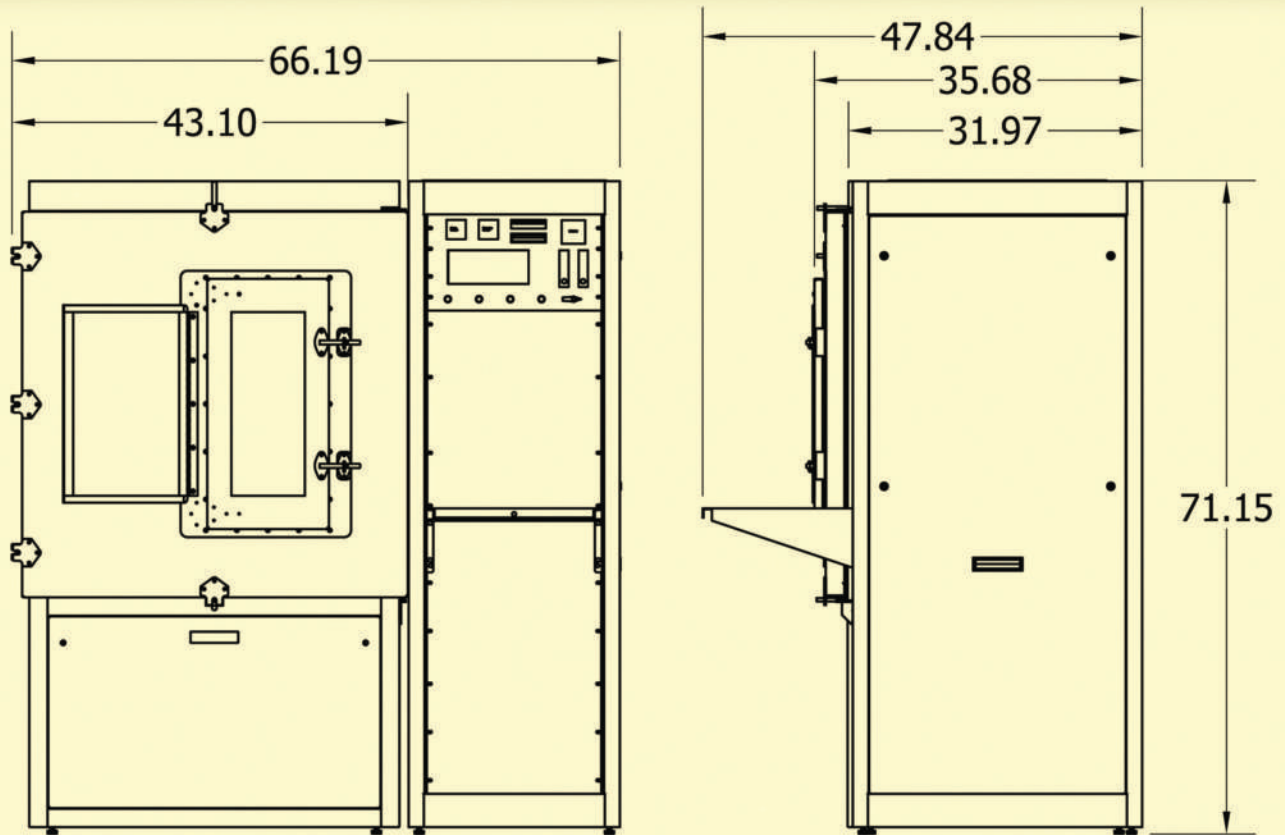
ASTM E 662, ISO 5659-2, ASTM F 814  
NFPA 258, BSS 7239, AITM 2.0007,  
AITM 3.0005



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# NBS SMOKE DENSITY TESTER



## 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...