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DEATAK™

formerly  Govmark Ltd

FLAMMABILITY TEST INSTRUMENTS



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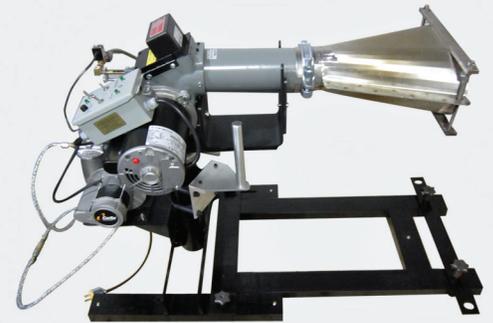
formerly  Govmark Ltd

A CONTINUUM OF QUALITY: ON FIRE SINCE 1972

The Govmark Organization, Inc. Instrument Division (the largest USA manufacturer of fire and flammability test instrumentation worldwide) has been producing high quality, reliable and robust test instruments at its New York facility since 1972. In 2008, Govmark Ltd was formed in McHenry, Illinois to manufacture some of the Govmark test instruments under The Govmark Organization, Inc. brand.

In 2012, the entire instruments division was transitioned to Govmark Ltd to manufacture all the instruments formerly offered by The Govmark Organization, Inc. In 2015, Govmark Ltd changed its name to Deatak. Now as an independent company, Deatak is still the USA's largest manufacturer of fire and flammability test instrumentation, producing the same great quality you've come to expect from the Govmark brand.





FLAMMABILITY TEST INSTRUMENTS



MODEL CC-2
MODEL CC-2-X
(export)

CONE CALORIMETER

The most widely used test apparatus to measure heat release properties of materials.

SPECIFICATIONS:

- ASTM E 1354
- ASTM E 1474
- ASTM E 1740
- ASTM F 1550
- ASTM D 5484
- ASTM D 6113
- NFPA 271
- NFPA 264
- ISO 5660
- CAN ULC 135
- BS 476 Part 15



MODEL SD-2
MODEL SD-2-X
(export)

SMOKE DENSITY

The most widely accepted apparatus for the measurement of smoke given off burning materials. Measures specific optical density under flaming and non-flaming conditions. It is also used for the extraction of toxic gas.

SPECIFICATIONS:

- ASTM E 662
- ASTM F 814
- NFPA 258
- BSS 7238
- BSS 7239
- FAR Part 25 Appendix F Part V
- AITM 2.0007
- AITM 3.0005
- IMO MSC.61 (67) Annex 1 Parts 1&2
- ISO 5659-2

 FAA Listed



MODEL RHR-1
MODEL RHR-1-X
(export)

RATE OF HEAT RELEASE (OSU)

Measures heat release properties of aircraft interior materials. In accordance with FAA regulations, Govmark testers are FAA inspected and approved.

SPECIFICATIONS:

- FAR Part 25 Appendix F Part IV
- BSS 7322
- AITM 2.0006

 FAA Listed

**MODEL MCC-3****MODEL MCC-3-X
(export)**

MICROSCALE COMBUSTION CALORIMETER

Measures multiple fire properties of micro laboratory scale samples.

Potential measurements:

- Fire load
- Ignition temperature
- Heat release
- Flame resistance

SPECIFICATION:

- ASTM D 7309

✈️ FAA Listed

**MODEL FRP-1A-CF(G)****MODEL FRP-1A-CF(G)-X
(export)**

FLOORING RADIANT PANEL

Measures the "critical radiant flux" at flameout for carpeting and flooring materials used in public buildings and public transit vehicles.

SPECIFICATIONS:

- ASTM E 648
- NFPA 253
- ISO 9239-1
- ISO 9239-2

**MODEL FRP-1A-AI(E)****MODEL FRP-1A-AI(E)-X
(export)**

AIRCRAFT INSULATION RADIANT PANEL TESTER

Measures the flame propagation of aircraft insulation materials.

SPECIFICATIONS:

- FAR Part 25 Appendix F Part VI
- BSS 7365
- AITM 2-0053

✈️ FAA Listed

FLAMMABILITY TEST INSTRUMENTS



MODEL TC 45

**MODEL TC 45-X
(export)**

45° FLAMMABILITY (APPAREL TEXTILES)

Mandatory tester for all USA apparel fabrics. Measures rate of burning. Also specified for upholstery components.

SPECIFICATIONS:

- 16 CFR 1610
- NFPA 702
- ASTM D 1230
- CA TB 117 C and E



MODEL TC-1611

**MODEL TC-1611-X
(export)**

45° FLAMMABILITY (APPAREL VINYL)

Mandatory USA tester for all vinyl materials

SPECIFICATION:

- 16 CFR 1611



MODEL TC 45/BT

**MODEL TC 45/BT-X
(export)**

BLANKET FLAMMABILITY

Widely cited to measure the ignition resistant properties of blankets.

SPECIFICATION:

- ASTM D 4151



MODEL 701-S

**MODEL 701-S-X
(export)**

VERTICAL FLAMMABILITY (1)

Measures ignition resistance properties of children's sleepwear, draperies, cubicle curtains, upholstery foams, tents.

SPECIFICATIONS:

- NFPA 701 (1989) Small Scale
- CAN/ULC S109 Small Flame
- CA TB 117 A1 and B
- 16 CFR 1615 and 1616
- CPAI 84
- UL 214 Small Flame
- CA Title 19



MODEL VC-1

**MODEL VC-1-X
(export)**

MODEL VC-2

**MODEL VC-2-X
(export)**

VERTICAL FLAMMABILITY (2)

Widely cited through out the USA and internationally to measure the ignition resistant properties of aircraft and transportation materials, tents and protective clothing.

SPECIFICATIONS:

- ASTM D 6413
- Federal Test Method 5903
- CPAI 84
- FAR Part 25 Appendix F Part I
- BSS 7230
- AITM 2.0002

FAA Listed



MODEL HC-1

**MODEL HC-1-X
(export)**

MODEL HC-2

**MODEL HC-2-X
(export)**

HORIZONTAL FLAMMABILITY

Measures the burning rate of materials used in automotive interiors and certain aircraft interiors.

SPECIFICATIONS:

- FMVSS 302 (49 CFR V 571.302)
- FAR Part 25 Appendix F Part I
- ASTM D 5132
- AITM 2.0003
- SAE J369
- BSS 7230
- CMVSS 302
- ISO 3795

FLAMMABILITY TEST INSTRUMENTS



MODEL FAA MP-1

**MODEL FAA MP-1-X
(export)**

FAA MULTI-PURPOSE SMALL SCALE FLAMMABILITY TESTER

SPECIFICATIONS:

- FAR Part 25 Appendix F Part I (Vertical, Horizontal, 45° and 60°)

 FAA Listed



MODEL 701-TM1

**MODEL 701-TM1-X
(export)**

DRAPERY FLAMMABILITY

The most widely cited tester to measure the ignition resistant properties of draperies and other hanging materials used in public buildings.

SPECIFICATIONS:

- NFPA 701 (1996, 1999, 2004 and later editions) Test Method 1



MODEL GOV-94

**MODEL GOV-94-X
(export)**

UL 94 & IEC TESTER

Most widely used small scale test to screen plastic materials for horizontal and vertical burning properties.

SPECIFICATIONS:

- UL 94HB, HBF & HF
- UL 94V, VTM & 5 V
- IEC 60695-11-10
- IEC 60707
- IEC 60695-11-20
- ISO 1210
- ASTM D 635
- ASTM D 3801
- ASTM D 4986
- ASTM D 5048
- ISO 9772
- ISO 9773



MODEL 701L

**MODEL 701L-X
(export)**

MODEL 701L-TM2

**MODEL 701L-TM2-X
(export)**

LARGE SCALE FLAMMABILITY

Measures ignition resistance properties of outdoor products, banners, and many other products.

SPECIFICATIONS:

- NFPA 701 (1989) Large Scale
- NFPA 701 (1996, 1999, 2004 & later editions) Test Method 2
- UL 214 Large Flame
- CAN/ULC S109 Large Flame



MODEL TPP-2

**MODEL TPP-2-X
(export)**

PROTECTIVE CLOTHING FLAMMABILITY

Measures thermal performance properties of material (especially protective clothing) when exposed to a high heat source.

SPECIFICATION:

- ASTM D 4108



MODEL TPP QH-1

**MODEL TPP QH-1-X
(export)**

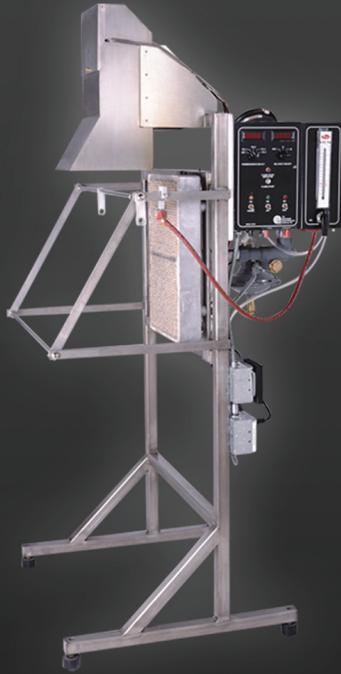
THERMAL PROTECTION PERFORMANCE OPEN FLAME/ QUARTZ HEATER

Measures thermal protective properties and heat transfer properties of material when exposed to high heat sources.

SPECIFICATIONS:

- NFPA 1971
- NFPA 1975
- NFPA 1976
- NFPA 1977
- NFPA 1981
- NFPA 2112
- ISO 17492
- ASTM F2700
- ASTM 2703
- CAN/CGSB 155.20

FLAMMABILITY TEST INSTRUMENTS



MODEL RP-1A

**MODEL RP-1A-X
(export)**

RADIANT PANEL FLAME SPREAD

Measures the flame spread properties of textiles, plastics, foams, and similar materials used in furnishings, building products, and transportation materials.

SPECIFICATIONS:

- ASTM E 162
- UL 94
- ASTM D 3675
- BSS 7304



MODEL GOV-790

**MODEL GOV-790-X
(export)**

ROOFING FLAME SPREAD BURNING BRAND APPARATUS

Controls & operates burner that ignites "Brands" for Burning Brand Test.

SPECIFICATIONS:

- UL 790
- Section 5 – Intermittent Flame Test
- Section 6 – Spread of Flame Test
- Section 7 – Burning Brand Test
- ASTM E 108
- Section 8 – Intermittent Flame Test
- Section 9 - Spread of Flame Test
- Section 10- Burning Brand Test



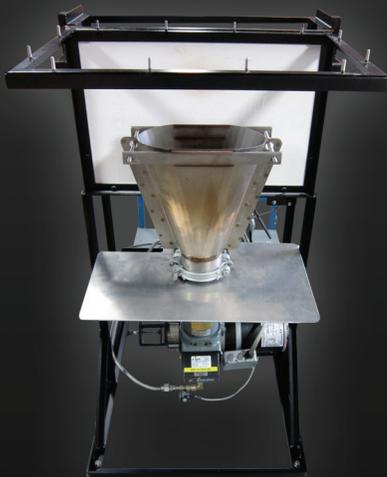
MODEL OB-NG
MODEL OB-NG-X
(export)

**FAA OIL BURNER (NEXGEN)
INSULATION FLAME PENETRATION**

The NEXGEN burner is authorized for testing insulation flame penetration. It is unofficially accepted for seat cushion and power plant applications..

- SPECIFICATIONS:**
- FAR Part 25 Appendix F Part VII

FAA Listed



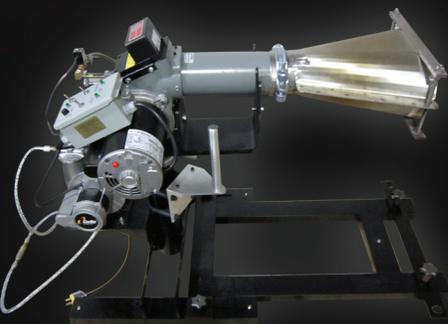
MODEL OB-MG-VC
MODEL OB-MG-VC-X
(export)

**FAA OIL BURNER
(MODIFIED GUN) CARGO LINER**

Determines fire penetration resistance of cargo liner materials

- SPECIFICATIONS:**
- FAR Part 25 Appendix F Part III
 - AITM 2.0010
 - BSS 7323

FAA Listed



MODEL OB-MG-HC
MODEL OB-MG-HC-X
(export)

**FAA OIL BURNER (MODIFIED GUN)
SEAT CUSHION/POWER PLANT
FIRE PENETRATION**

Determines fire degradation resistance of seat cushions and fire penetration resistance of power plant components.

- SPECIFICATIONS:**
- Seat Cushion:
- FAR Part 25 Appendix F Part II
 - AITM 2.009
 - BSS 7303
- Power Plant:
- FAA Handbook Chapter 12
 - AC 135

FAA Listed



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