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# AVIATION INDUSTRY

FAA, CAAC, EASA, Boeing - BSS, Airbus - AITM

# PRODUCT CATALOGUE

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## ZY6122A

### FDR Flammability Test Apparatus

#### TSO-C124c

*Technical Standard Order C124c*

**SCOPE:** In compliance with TSO-C124c (FAA) and FAR 25.853 Appendix F, Part I, this test apparatus is for Flight Data Recorder (FDR) flammability test.



## ZY6122

### Fire Flammability Test Apparatus for Cabin Materials

#### FAR 25.853 Appendix F, Part I

*Test Method for Determining Flammability of Cabin Interior Materials*

**SCOPE:** This test apparatus is for burning performance for cabin interior nonmetallic material of civil aircraft. The flammability tests specified in Appendix F, Part I of FAR 25.853, are vertical burn test, horizontal burn test, 45° burn test and 60° burn test.



## ZY6123

### Flammability Test Apparatus for Seat Cushions

#### FAR 25.853 Appendix F, Part II

*Test Method for Seat Cushions Flammability*

**SCOPE:** This test apparatus adopts oil burner test (fireblock) to determine burn resistance and weight loss characteristics of seat cushions. It also conforms to HB 7263-2022 and CCAR-25-R4.853 Appendix F, Part II.



## ZY6124

### Fire Penetration Resistance Test Apparatus for Cargo Liners

#### FAR 25.853 Appendix F, Part III

*Test Method for Determining Fire Penetration Resistance of Cargo Compartment Liners*

**SCOPE:** This test apparatus adopts oil burner test for cargo liners of civil aircraft to determine cargo compartment liners' performance of burn-through resistance and flame penetration.



## ZY6205

### Fire Flammability Test Apparatus for Flexible Hose and Tube Assemblies

**FAR 25.1183 / CCAR 25.1183**

*Lines, fittings, and components carrying flammable fluid*

**SCOPE:** This test apparatus is to evaluate the fire resistance of hoses and tubing assemblies installed in potential fire zones for conveying flammable fluids, in order to verify that the assemblies meet the fire resistance requirements specified in CCAR 23.1183, CCAR 25.1183, CCAR 27.1183, CCAR 29.1183, as well as the applicable component specifications.



## ZY6295

### OSU Rate of Heat Release Apparatus

**FAR 25.853 Appendix F, Part IV**

*Test Method for Determining Heat Release Rate from Cabin Interior Materials and Components*

**SCOPE:** This test apparatus is for heat release rate test of cabin nonmetallic material installed in the fuselage for civil aircraft. It also confirms to ASTM E906 / E906M-17, FAR 25.853 and CCAR-25-R4.



## ZY6296

### Flammability and Flame Penetration Resistance Test Apparatus for Seat Cushions & Cargo Liners

**FAR 25.853 Appendix F Part II & Part III**

**SCOPE:** In compliance with FAR 25.853 Appendix F Part II & Part III, this test apparatus combines flammability test for seat cushions and flame penetration resistance test for cargo liners.



## ZY6166D-FAR-PC

### NBS Smoke Density Test Apparatus

#### FAR 25.853 Appendix F, Part V

*Test Method for Determining Smoke Density of Combustion Products from Cabin Interior Materials*

**SCOPE:** This test apparatus is for measuring optical density of smoke from aircraft cabin interior nonmetallic materials per FAR 25.853 and CCAR-25-R4.



## ZY6288-PC

### Burnthrough Resistance Test Apparatus

#### FAR 25.853 Appendix F, Part VII

*Test Method for Determining the Flammability and Flame Propagation Characteristics of Thermal/Acoustic Insulation Materials When Exposed to a Large-Scale Fire Source*

**SCOPE:** This test apparatus is to determine the burnthrough fire resistance when exposed to a high-intensity open flame of thermal/acoustic insulation materials installed in the fuselage for civil aircraft.



## ZY6289-PC

### Thermal/Acoustic Insulation Flame Propagation Apparatus

#### FAR 25.853 Appendix F, Part VI

*Test Method for Determining Flammability and Flame Propagation Characteristics of Thermal/Acoustic Insulation Materials*

**SCOPE:** This test apparatus is to determine the flammability and flame propagation characteristics of acoustic/thermal insulation materials installed in the fuselage for civil aircraft, which is in compliance with GB/T 25353, HB 8642, MH/T 6042, CCAR-25-R4 Appendix F, Part VI and FAR Part 25 Appendix F, Part VI.

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