Federal Aviation Regulation Bunsen Burner Test Apparatus

firetesting technology

The **FTT** Federal Aviation Authority (FAA) Bunsen Burner Test Apparatus conforms to the fire test methods described in FAA Aircraft Material Fire Test Handbook for aircraft materials. The apparatus is supplied as a complete system incorporating all the features necessary for ease of use and safety. It enables the user to test according to five Federal Aviation Regulation (FAR) test methods. These are:

- Vertical Bunsen burner test for cabin and cargo compartment materials
- 45-Degree Bunsen burner test for cargo compartment liners and waste stowage compartment materials
- Horizontal Bunsen burner test for cabin, cargo compartment, and miscellaneous materials
- 60-Degree Bunsen burner test for electric wire
- Recommended procedure for the 4-ply horizontal flammability test for aircraft blankets.

Features

- A bench mounted draft free stainless steel combustion chamber having a large inside volume of $0.85m^3$ and fitted with an interior light and exhaust fan to enable simple evacuation of combustion products
- In addition to the chamber five sample mounting systems are offered for the five test methods listed above. Any one is readily replaced by a an alternative mounting system
- Three digital test duration timers for accurate but simplified operation
- A burner and precision gas control system including gas flow meter, pressure regulator and pressure gauge
- Two access ports enabling easy entry to the chamber for movement of the burner and specimen
- Large door and window made from toughened safety glass giving a generous view of the specimen during a test
- Flame height indicator

Unrivalled Experience in Design and Manufacturing

FTT's site in East Grinstead, is home to the largest group of fire scientists and instrumentation design engineers working on fire testing instrumentation, and is at the heart of our design and manufacturing. For almost 30 years **FTT** has provided the highest quality instruments and service for fire testing and research professionals worldwide, directly and through its extensive global sales and support network.

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Quality

- World-class manufacturing in accordance with multiple international and national standards, including: EN, ISO & ASTM
- ISO 14001, ISO 9001 certified

Integrity

- A dedicated team passionate about fire testing instrumentation and continuous product improvement
- Delivering reliable, robust and easy-to-use instruments for the past 30 years

Excellence

- A world-class team made up of qualified fire scientists, mechanical, electrical and electronic fire instrument design engineers and production, installation and maintenance engineers

Global

- World-wide distribution network for global sales, installations, training, maintenance and technical support
- Leading global supplier of the Cone Calorimeter, Large Scale Calorimeter, NBS Smoke Chamber and Oxygen Index