



Flammability Tester

The flammability testing is one of the widely used quality control method that helps manufacturers in assessing how easily the finished product will get ignite or burn when exposed to fire. This testing will encompass various protocols that will measure the material vulnerability against burning.

This lab testing equipment has been designed as per IS 15061 testing standards. This will ensure the user will get accurate laboratory testing results. You can easily check the burning rate at which the material will burn.

Working principle of flammability tester:

The flammability tester will work on the principle of fire resistance and evaluate the fire resistance of material by stimulating real-world fire conditions. To conduct the flammability test, you need to put the sample in the sample placement area. A controlled flame will be applied to the material in horizontal and vertical position to test the flammability strength of the sample. The material will be exposed to the flame in the set position and after specified exposure time, the flame will get automatically extinguished.

Once these steps will be followed the results of flammability testing will easily be recorded. In this way, you can easily test the flammability of materials.

Advantages of flammability tester:

Using flammability tester in textile and wire industry provides significant advantages. This laboratory testing instrument provides precise measurement of material's flammability including ignitability and melting behavior of the product.

This testing instrument is easy to operate and maintain that makes it the best choice for various testing laboratories. Users can easily conduct flammability test on the materials and ensure that the product the product remain fire resistant.

MODEL NO. TX-FT





FEATURES

- Automatic flame-stop mechanism
- Equipped with a digital 7-segment display
- Includes a complete set of specimen holders for a secure grip
- Automated timer initiation via limit switches (vertical test only)
- Easy to install
- Low maintenance
- Delivers accurate testing results
- Compliant with industrial standards

SPECIFICATION

- **Sample holder:** SS material U shaped
- **Diameter of Sample support wires:** 0.25 mm
- **Inner Diameter of gas burner:** 9.5 +/- 0.5 mm
- **Test Gas:** Natural Gas having calorific value near 38 MJ/m³
- **Sample Size:** 300 * 50 mm
- **Test fixture Dimension:** 360 * 100 mm
- **Inner size:** 384 * 204 * 361 mm
- **Flame height:** 38 mm
- **Material of Construction:** SS
- **Burner Preheat time:** Atleast 1 min

APPLICATIONS

1. Clothes 2. Curtains 3. Drapes 4. Cables 5. Circuit casings 6. Seat covers 7. Furniture

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