

Blanket Flammability Tester

Made by: Deatak (USA).

Model: TC-45-BT-3

The TC-45-BT-3 is designed to measure the ignition resistant properties of blankets by applying a standardized flame to the surface of a horizontally mounted fabric specimen for a specific time under controlled conditions. Materials are classified based on the presence of burning, charring, and discoloration on a paper monitor located below the specimen.

Testing Standard:

- ASTM D4151



FEATURES:

Programmable Logic Controller (PLC) with Human Machine Interface (HMI):

- 3 inch digital touchscreen control
- Digital timer accurate to 10 nanoseconds
- Controls:
 - Flame application time
 - Test duration
- 100-240V 50/60Hz 2.5A, single phase
- Brushed stainless steel construction
- Physical start/stop and power buttons
- Integrated flowmeter to achieve proper flame length
- Automatic control of flame impingement time
- Easily replaceable burner tip
- Clear acrylic viewing window

INCLUDES:

- 1 stainless steel specimen holder
- Calibration plate to verify burner position
- Flame length indicator
- Paper monitor (1 pack of 50 sheets)
- Vent spacer

DIMENSION:

- Instrument Dimensions:
 - 17in x 11in x 21in (44cm x 28cm x 54cm)
- Shipping Dimensions:
 - Ships in a double corrugated box 30 lbs., 24in x 20in x 20in (14kg, 61cm x 51cm x 51cm)

FACILITY REQUIREMENTS:

- Fume enclosure or overhead exhaust hood approximately 36in x 36in (92cm x 92cm) variable speed capability, 100-300 SCFM exhaust capacity
- High purity methane supplied at 2.5 PSI to ¼ in barb fitting