



**Deatak Inc**

4004 W Dayton St., McHenry, IL 60050 – U.S.A.

Tel. +1 815 322 2013 Fax +1 815 679 6544

Federal EIN # 32-0021631

[instruments@deatak.com](mailto:instruments@deatak.com)

# 701-S Small Scale Vertical Flammability Tester





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**Specifications/Standards**

16 CFR 1615 and 1616  
California Fire Marshal Regulations Title 19  
CAN/ULC S109 Small Flame  
CPAI 84 Wall and Top Material  
NFPA 701 Small Scale (1989 Edition)

**Description**

The 701-S is used to measure ignition resistance properties of children’s sleepwear, draperies, curtains, upholstery foams, tents, and other materials.

Reported Measurements:

- Char length
- Afterflame time

“Five conditioned specimens, 8.9 x 25.4 cm (3.5 x 10 in) are suspended one at a time vertically in holders in a prescribed cabinet and subjected to a standard flame along their bottom edge for a specified time under controlled conditions. The char length is measured.”  
—16 CFR 1615 [1]

**Features**

Brushed stainless steel construction  
Built in flame height indicator  
Sliding track and ring stop to position burner  
Needle valve adjustment of flame length  
Gas shutoff valve  
Easy to clean burner tip

**Includes**

1 stainless steel specimen holder  
Stopwatch



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**Dimensions/Shipping (WxDxH)**

23in x 14in x 33in (59cm x 36cm x 84cm)

Ships in a double corrugated box 40 lbs, 40in x 20in x 20in (19kg, 102cm x 51cm x 51cm)

**Facility Requirements**

Fume enclosure or overhead exhaust hood approximately 36in x 36in (92cm x 92cm) with 100-1,000 SCFM exhaust capability

High purity methane supplied at 2.5 PSIG to ¼ in barb fitting

**Deatak Warranty**

Deatak Inc warrants the instrument to be free of defects in materials and workmanship of non-consumable parts for a period of one year from receipt of goods. If the instrument malfunctions due to a defective component, the defective component will be replaced at no charge to the customer. This warranty does not apply to defects arising out of mishandling, improper operation, or accidental damage, nor does it cover travel, labor, or shipping costs which may be incurred to facilitate this warranty.

[1] 16 CFR 1615, Standard for the Flammability of Children's Sleepwear: Sizes 0 through 6X (FF 3-71)