

# FSI F80

## CERTIFIED VALUES

Total Impulse: 45.0 newton-seconds  
Delays: 0, 4, 6, 8, 10 seconds

Propellant Type: Black Powder  
Propellant Mass: 50.0 grams

Casing Dimensions: 27 mm x 152 mm

Certification Date: Continuing  
Contest Use Date: Continuing

Certification Type: Model Rocket

## STATIC TEST DATA

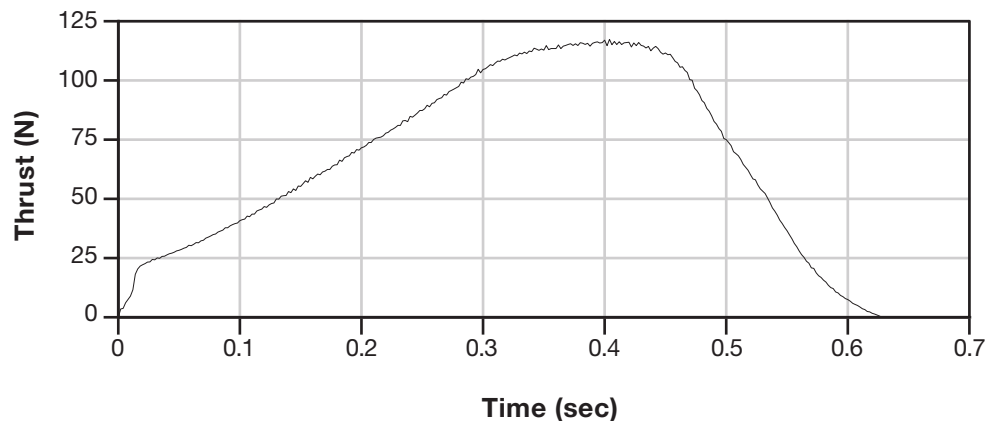
Date Tested: 95-August-19

Total Impulse: 42.68 newton-seconds ( $\sigma$  0.92)  
Peak Thrust: 117.32 newtons ( $\sigma$  3.87)  
Burn Time: 0.63 seconds ( $\sigma$  0.02)  
Average Thrust: 67.75 newtons

Mass After Firing: 56.3 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
0	0.00	104.8 g	500 g
4	4.43	105.2 g	500 g
6	6.49	106.5 g	500 g
8	8.21	109.9 g	500 g
10	10.18	113.0 g	500 g

## TYPICAL THRUST-TIME CURVE



## REMARKS

This motor was formerly known as the F100.