

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH F10

Effective Dates: NAR Certification: Continuing Contest Use: Continuing

Certified Total Impulse (N-sec): 80.00 Delay Times: 2, 4, 8

Propellant Type: Composite Propellant Mass (gm): 40.7

Casing Diameter (mm): 29 Casing Length (mm): 93

----- STATIC TEST DATA -----

Number Tested: 6 Casing Date Codes: 5D4C7  
Date Tested: 9/3/95 Test Temp (°c): 22 Elevation (ft): 200  
Total Impulse (N-Sec): 76.33 std. deviation: 1.00  
Peak Thrust (Newtons): 28.22 std. deviation: 1.33  
Burn Time (Seconds): 7.13 std. deviation: 0.29  
Casing Burnt Mass (GM): 37.0 Max Casing External Temp (°c): under 200

Delay Time (sec)	2	4	8
Initial Mass (gm)	84.0	83.5	84.7
Avg. Measured Delay	2.40	4.32	8.21

Remarks:

Typical Thrust - Time Curve:

