

# ANIMAL MOTOR WORKS M1730

## CERTIFIED VALUES

Total Impulse: 8114.93 newton-seconds  
Delays: P

Propellant Type: Composite / Skidmark  
Propellant Mass: 4945.2 grams

Casing Dimensions: 98 mm × 870 mm

Certification Date: 06-May-1

Certification Type: High Power Rocket

## STATIC TEST DATA

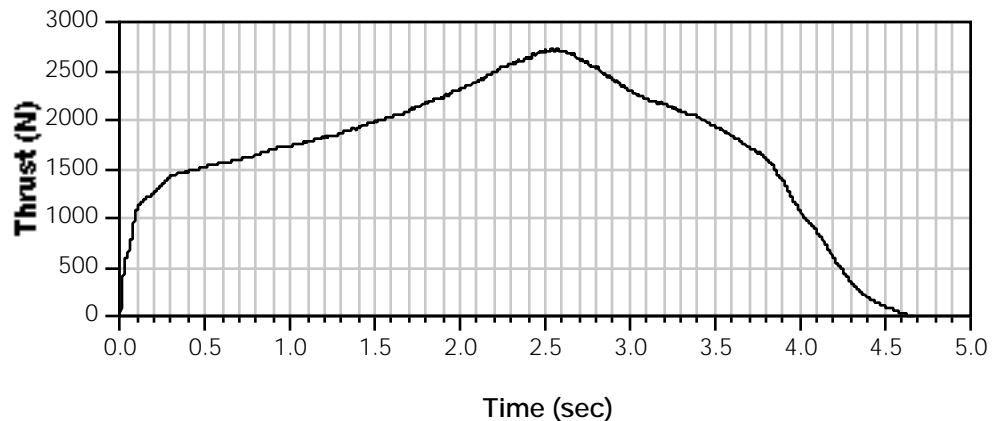
Date Tested: 06-April-24

Total Impulse: 8114.93 newton-seconds ( 32.92)  
Peak Thrust: 2730.57 newtons ( 172.56)  
Burn Time: 4.66 seconds ( 0.13)  
Average Thrust: 1744.75 newtons

Mass After Firing: 4896.6 grams

Delay Time	Average Measured Delay	Initial Mass
P	NONE	9841.8 g

## TYPICAL THRUST-TIME CURVE



## REMARKS

Consists of the Animal Motor Works 98- 11000 motor and Animal Motor Works M1730SK-P reload kit. No substitutions allowed.



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; ANIMAL MOTOR WORKS M1730SK RASP.ENG FILE
; The total impulse, peak thrust, average thrust and burn time are
; the same as the averaged static test data on the NAR web site in
; the certification file. The curve drawn with these data points is as
; close to the certification curve as can be with such a limited
; number of points (32) allowed with wRASP up to v1.6.

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M1730  98  870  P   4.945   9.842   AMW
0.029  554.861
0.073  748.239
0.088  1006.312
0.125  1148.338
0.257  1367.694
0.352  1457.661
0.661  1598.171
1.094  1791.245
1.557  2021.722
1.953  2291.621
2.305  2587.804
2.504  2727.504
2.577  2730.570
2.665  2664.629
2.885  2418.990
3.113  2198.622
3.297  2120.786
3.524  1939.842
3.744  1681.061
3.855  1473.835
3.950  1228.196
4.038  957.386
4.156  699.010
4.251  453.573
4.325  259.791
4.405  169.319
4.486  104.523
4.660   0.000

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