

# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

1/2A1-6

RESULTS

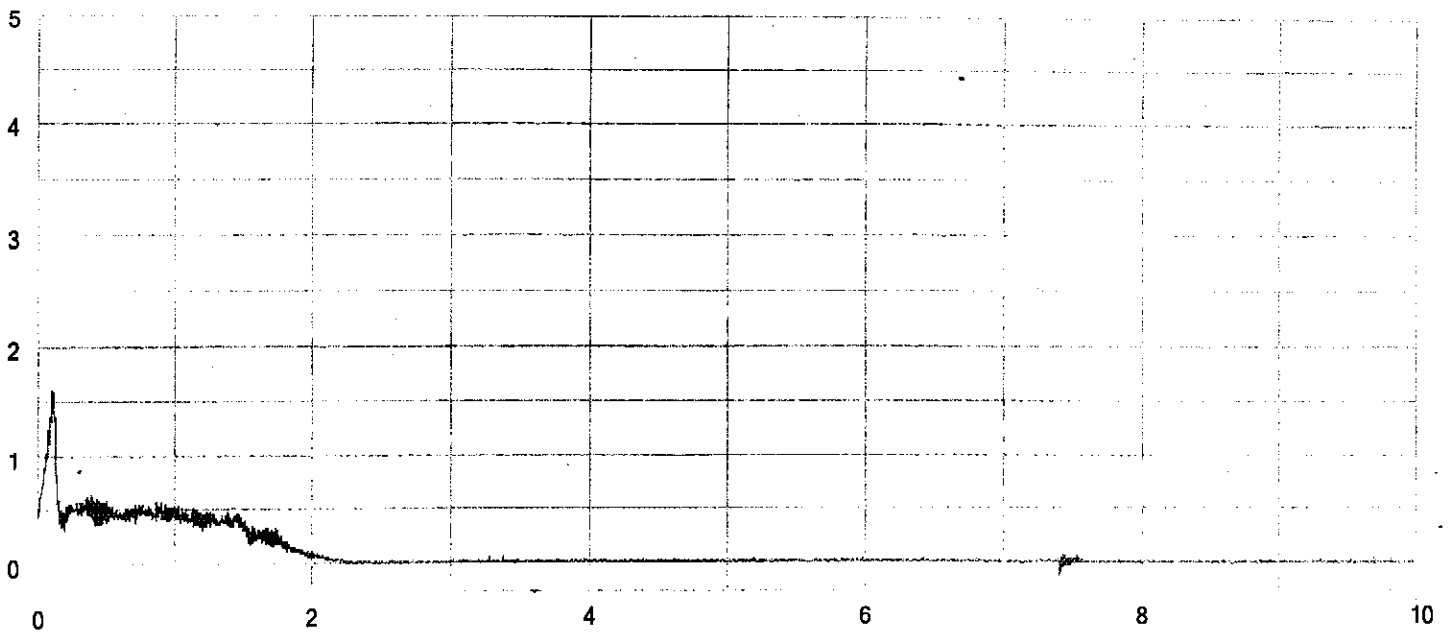
TOTAL IMPULSE: 0.83 Ns  
THRUST PEAK: 1.60 N  
THRUST AVERAGE: 0.47 N  
THRUST DURATION: 1.76 sec  
TIME DELAY: 5.6 sec

MANUFACTURER:

kikinda

DIMENSIONS

DIAMETER: 10 mm  
LENGTH: 37 mm  
TOTAL WEIGHT: 3.6 g  
PROPELLANT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:21:54

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

1/2A2-0

RESULTS

TOTAL IMPULSE: 1.05 Ns

THRUST PEAK: 3.07 N

THRUST AVERAGE: 1.70 N

THRUST DURATION: 0.62 sec

TIME DELAY: 0.2 sec

MANUFACTURER:

kikinda

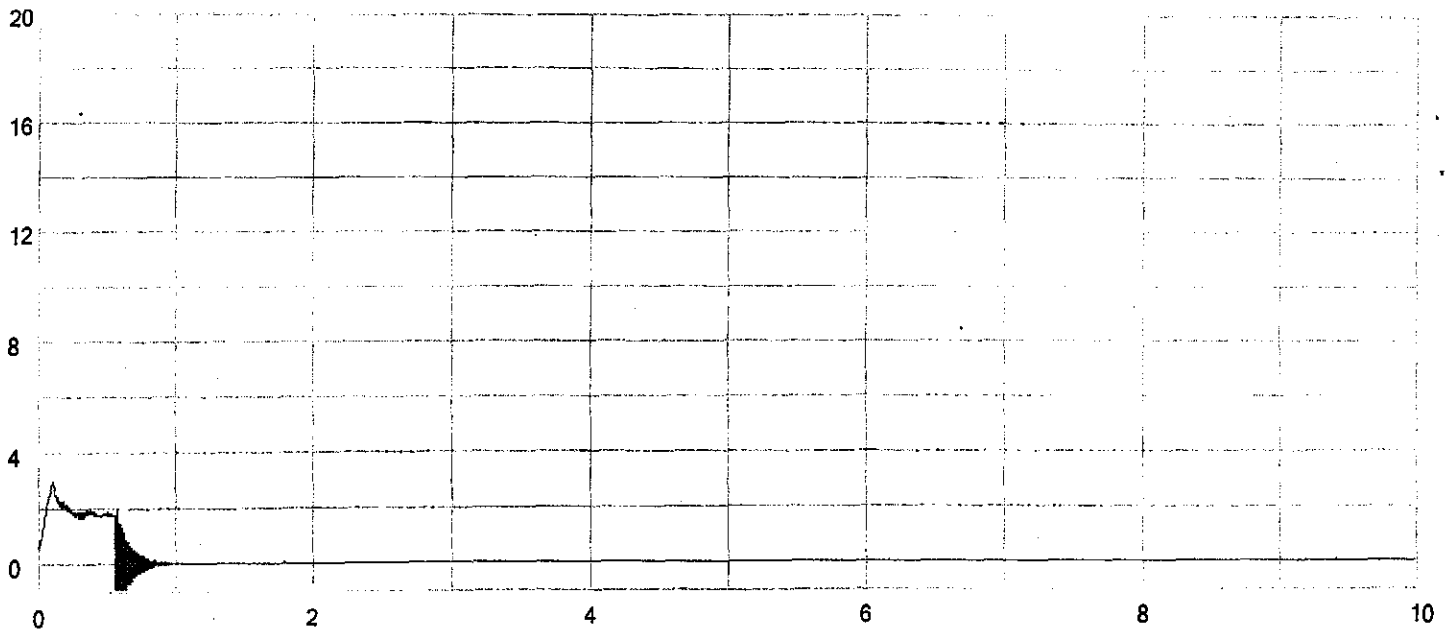
DIMENSIONS

DIAMETER: 10 mm

LENGH: 37 mm

TOTAL WEIGH: 3.2 g

PROPELENT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:20:54

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

A1-7

RESULTS

TOTAL IMPULSE: 1.78 Ns

THRUST PEAK: 2.87 N

THRUST AVERAGE: 0.96 N

THRUST DURATION: 1.85 sec

TIME DELAY: 0 sec

MANUFACTURER:

MRK

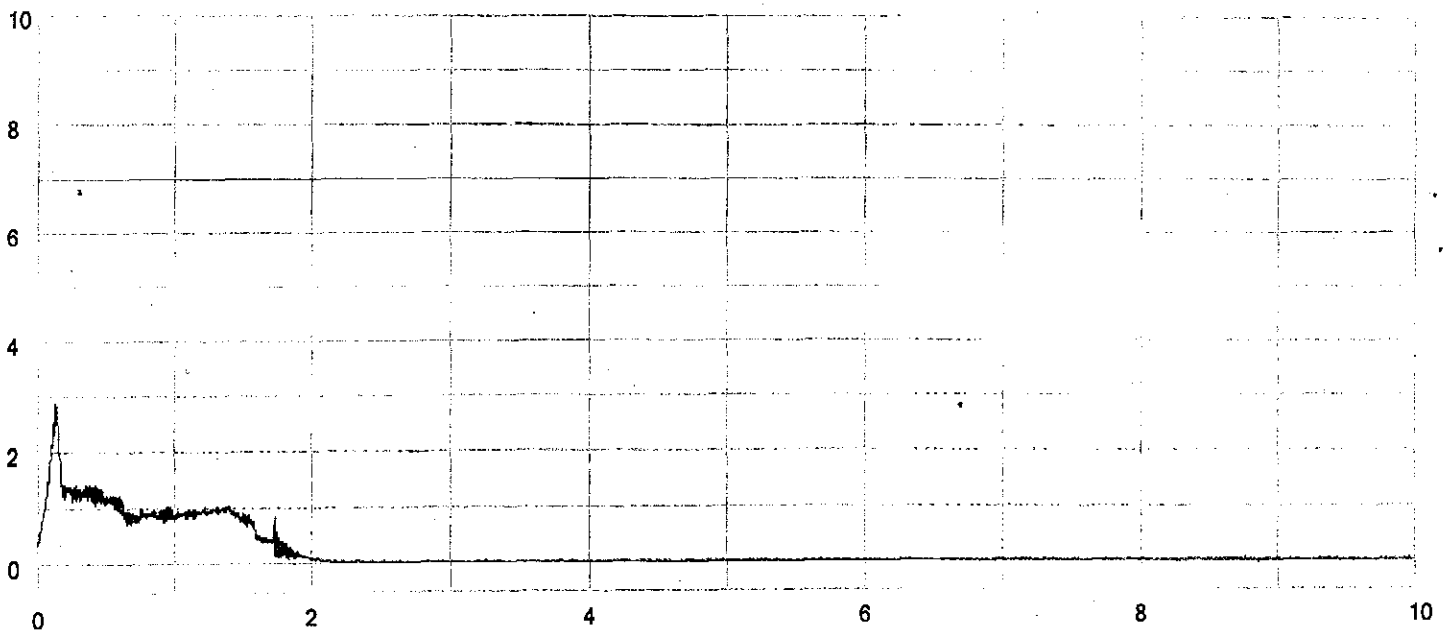
DIMENSIONS

DIAMETER: 10 mm

LENGTH: 37 mm

TOTAL WEIGHT: 4.35 g

PROPELLENT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:27:59

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

A2-2

RESULTS

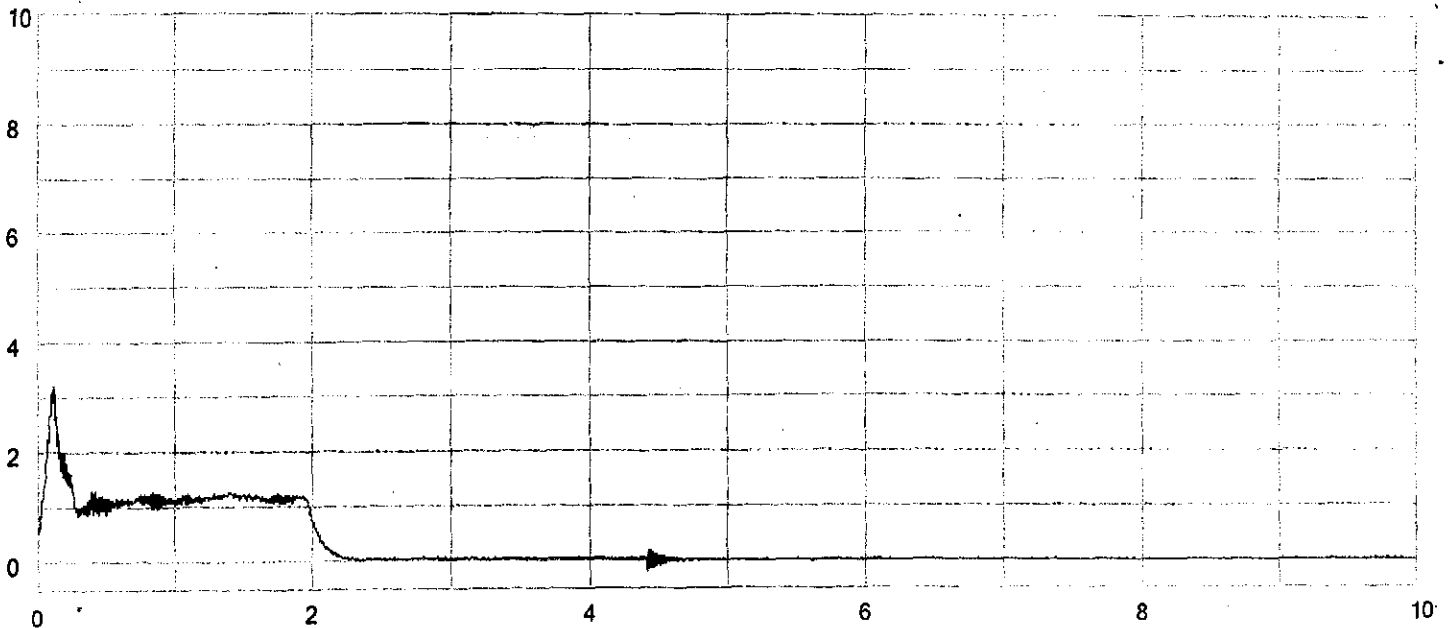
TOTAL IMPULSE: 2.48 Ns  
THRUST PEAK: 3.21 N  
THRUST AVERAGE: 1.17 N  
THRUST DURATION: 2.11 sec  
TIME DELAY: 2.4 sec

MANUFACTURER:

jomboljet

DIMENSIONS

DIAMETER: 10 mm  
LENGH: 45 mm  
TOTAL WEIGH: 4.4 g  
PROPELENT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:12:09

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

A2-3

RESULTS

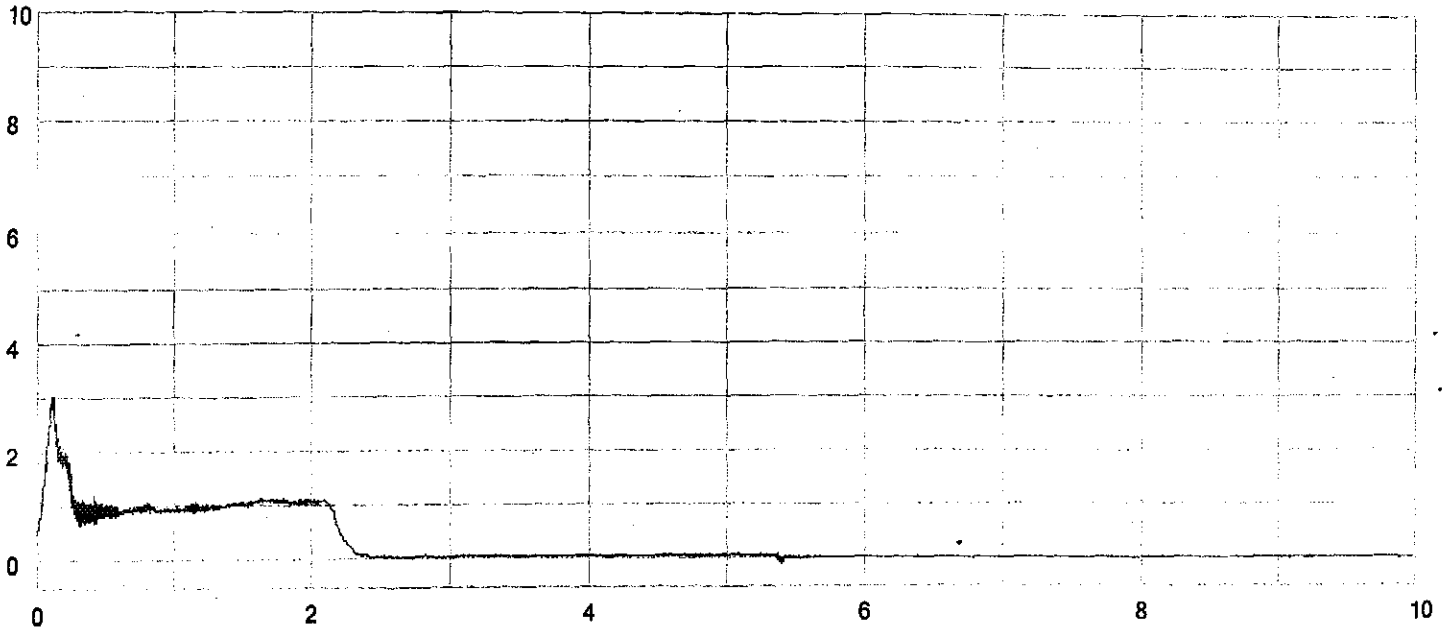
TOTAL IMPULSE: 2.38 Ns  
THRUST PEAK: 3.03 N  
THRUST AVERAGE: 1.05 N  
THRUST DURATION: 2.27 sec  
TIME DELAY: 3.1 sec

MANUFACTURER:

jomboljet

DIMENSIONS

DIAMETER: 10 mm  
LENGTH: 45 mm  
TOTAL WEIGHT: 4.9 g  
PROPELLANT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:13:56

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

A2-4

RESULTS

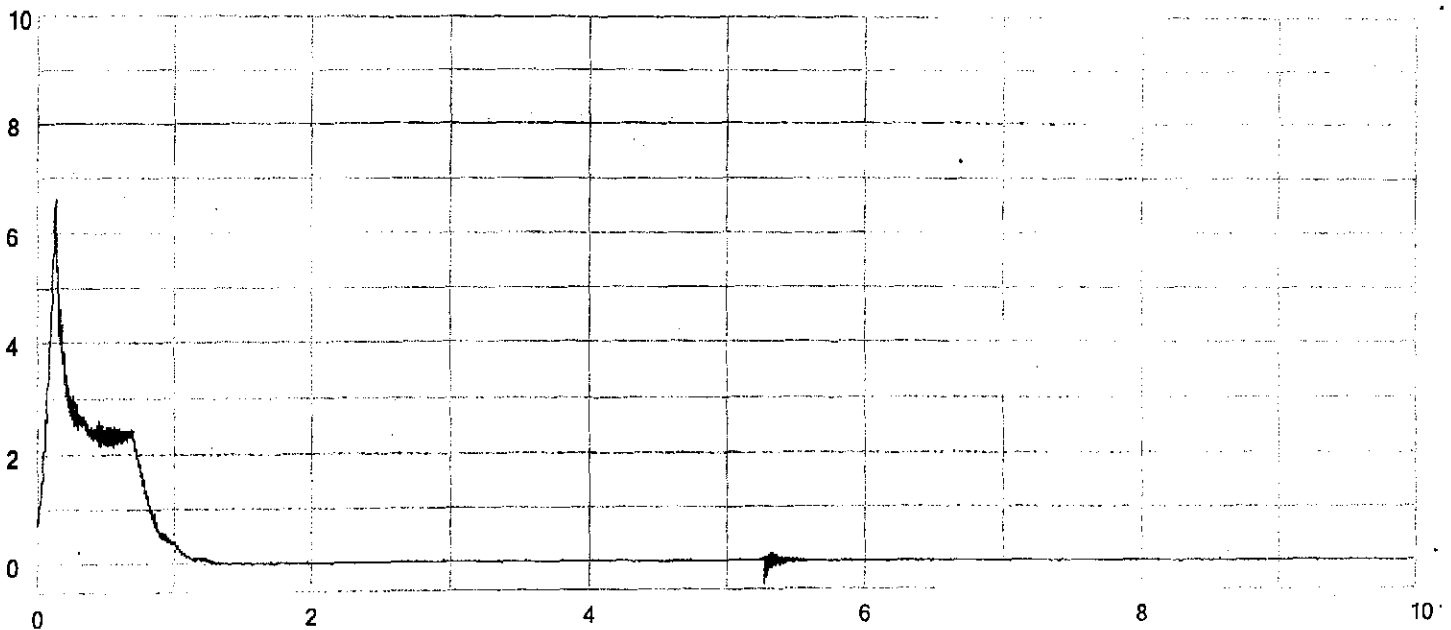
TOTAL IMPULSE: 2.26 Ns  
THRUST PEAK: 6.64 N  
THRUST AVERAGE: 2.16 N  
THRUST DURATION: 1.05 sec  
TIME DELAY: 4.3 sec

MANUFACTURER:

MRK

DIMENSIONS

DIAMETER: 10 mm  
LENGTH: 37 mm  
TOTAL WEIGHT: 4.27 g  
PROPELLANT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:10:07

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

A2-5

RESULTS

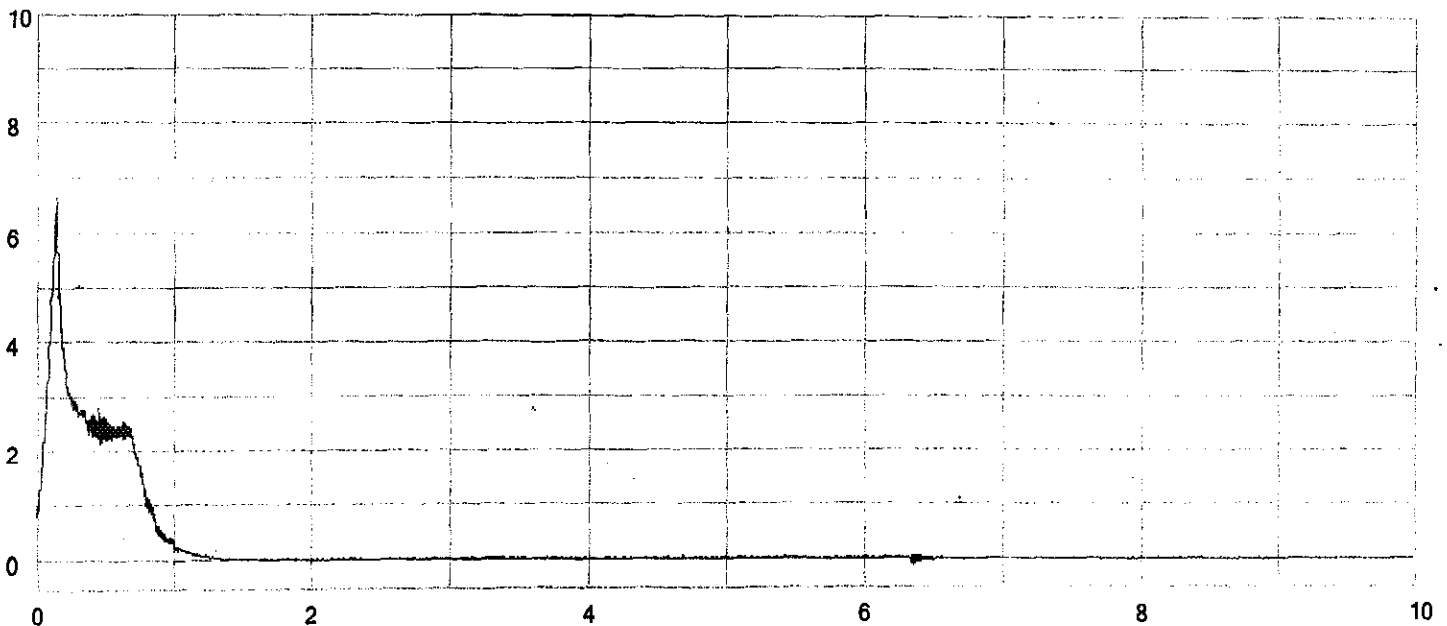
TOTAL IMPULSE: 2.29 Ns  
THRUST PEAK: 6.66 N  
THRUST AVERAGE: 2.22 N  
THRUST DURATION: 1.03 sec  
TIME DELAY: 5.3 sec

MANUFACTURER:

MRK

DIMENSIONS

DIAMETER: 10 mm  
LENGTH: 37 mm  
TOTAL WEIGHT: 4.4 g  
PROPELLENT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:11:01

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

A2-7

RESULTS

TOTAL IMPULSE: 2.20 Ns

THRUST PEAK: 3.58 N

THRUST AVERAGE: 1.60 N

THRUST DURATION: 1.37 sec

TIME DELAY: 0 sec

MANUFACTURER:

kikinda

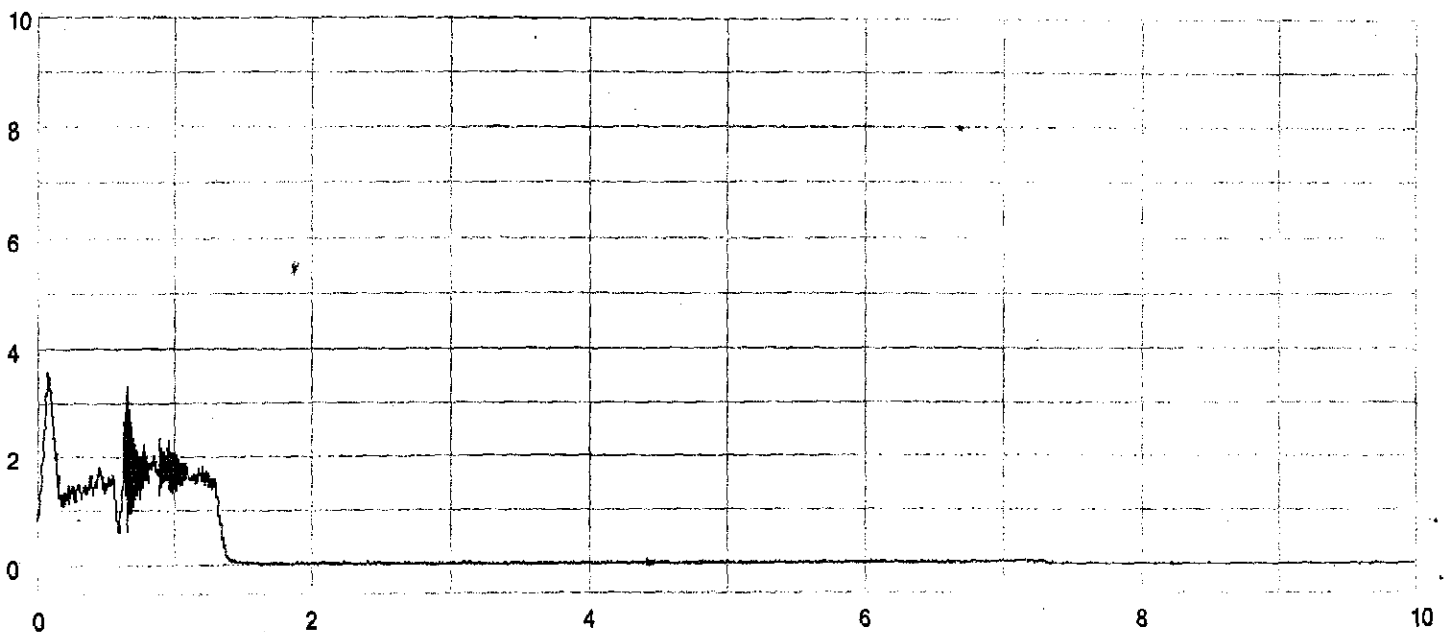
DIMENSIONS

DIAMETER: 10 mm

LENGTH: 38 mm

TOTAL WEIGHT: 4.5 g

PROPELLANT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:30:29

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:





# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

D 7-0

RESULTS

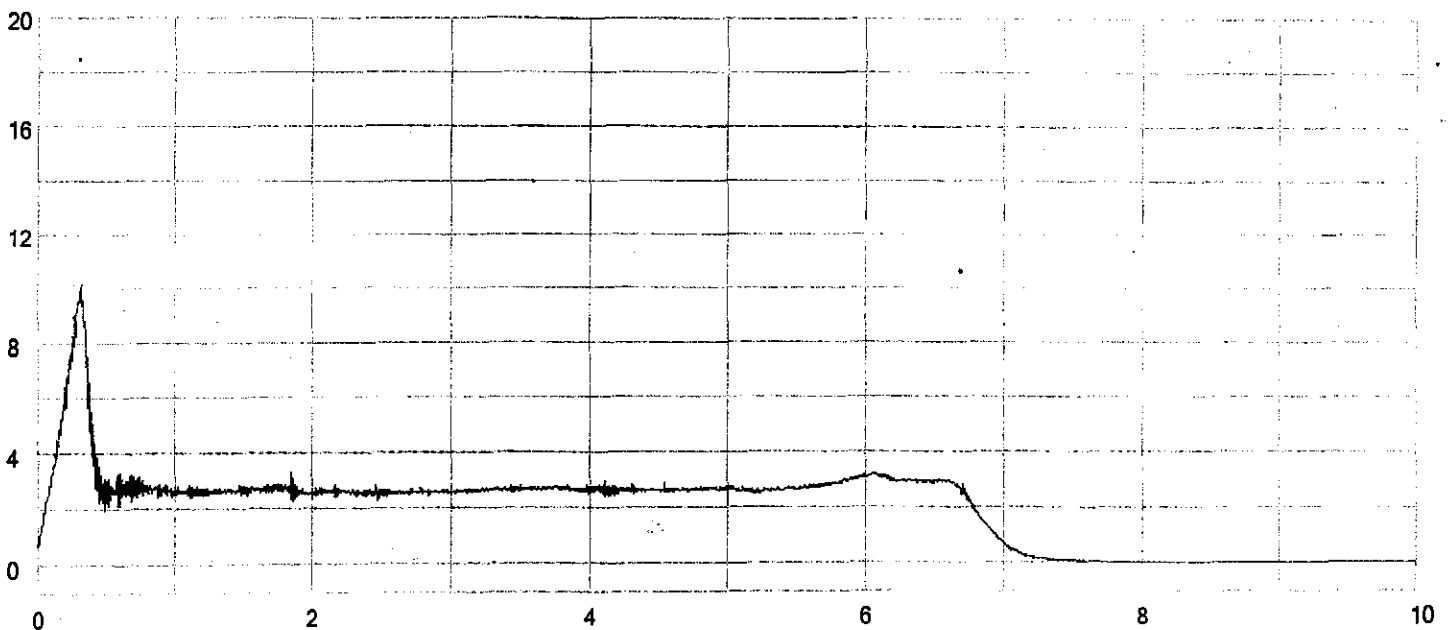
TOTAL IMPULSE: 19.49 Ns  
THRUST PEAK: 10.16 N  
THRUST AVERAGE: 2.73 N  
THRUST DURATION: 7.15 sec  
TIME DELAY: 0 sec

MANUFACTURER:

jomboljet

DIMENSIONS

DIAMETER: 20 mm  
LENGH: 75 mm  
TOTAL WEIGH: 33 g  
PROPELENT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:16:19

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

A3-0

RESULTS

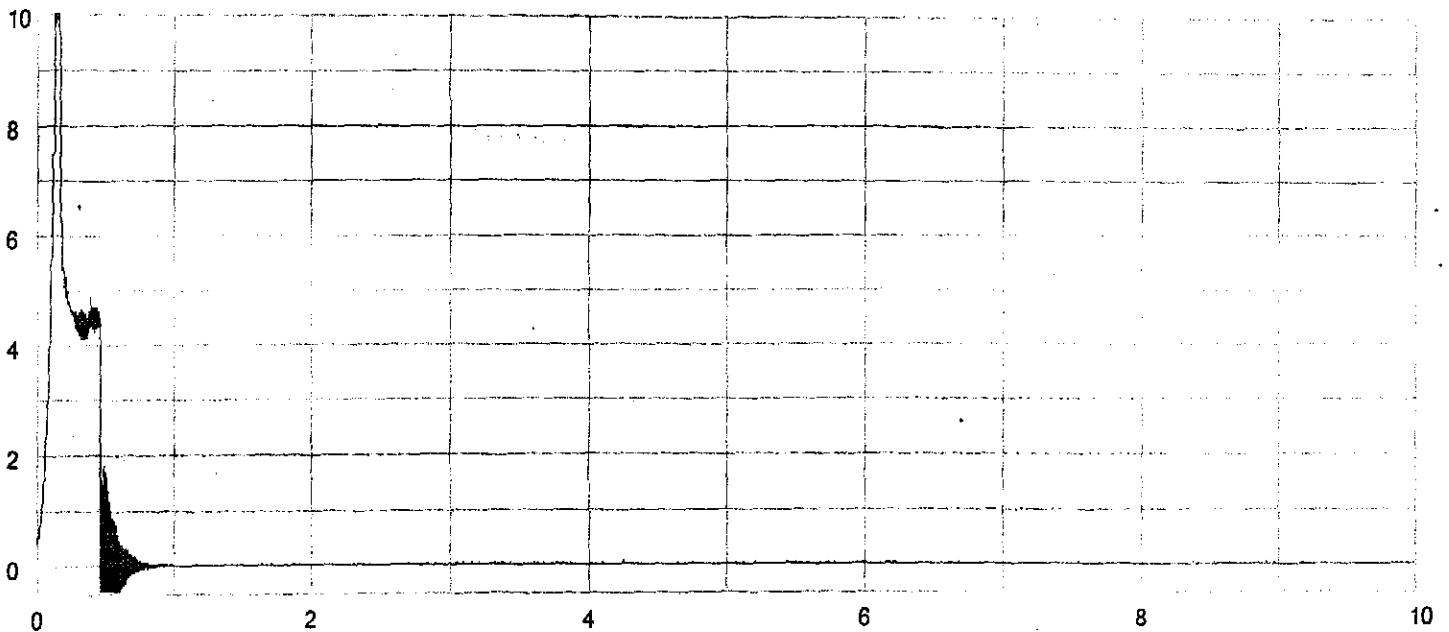
TOTAL IMPULSE: 2.17 Ns  
THRUST PEAK: 13.06 N  
THRUST AVERAGE: 4.10 N  
THRUST DURATION: 0.53 sec  
TIME DELAY: 0.2 sec

MANUFACTURER:

mrk

DIMENSIONS

DIAMETER: 10 mm  
LENGTH: 37 mm  
TOTAL WEIGHT: 3.95 g  
PROPELLENT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:31:33

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

A3-4-3

RESULTS

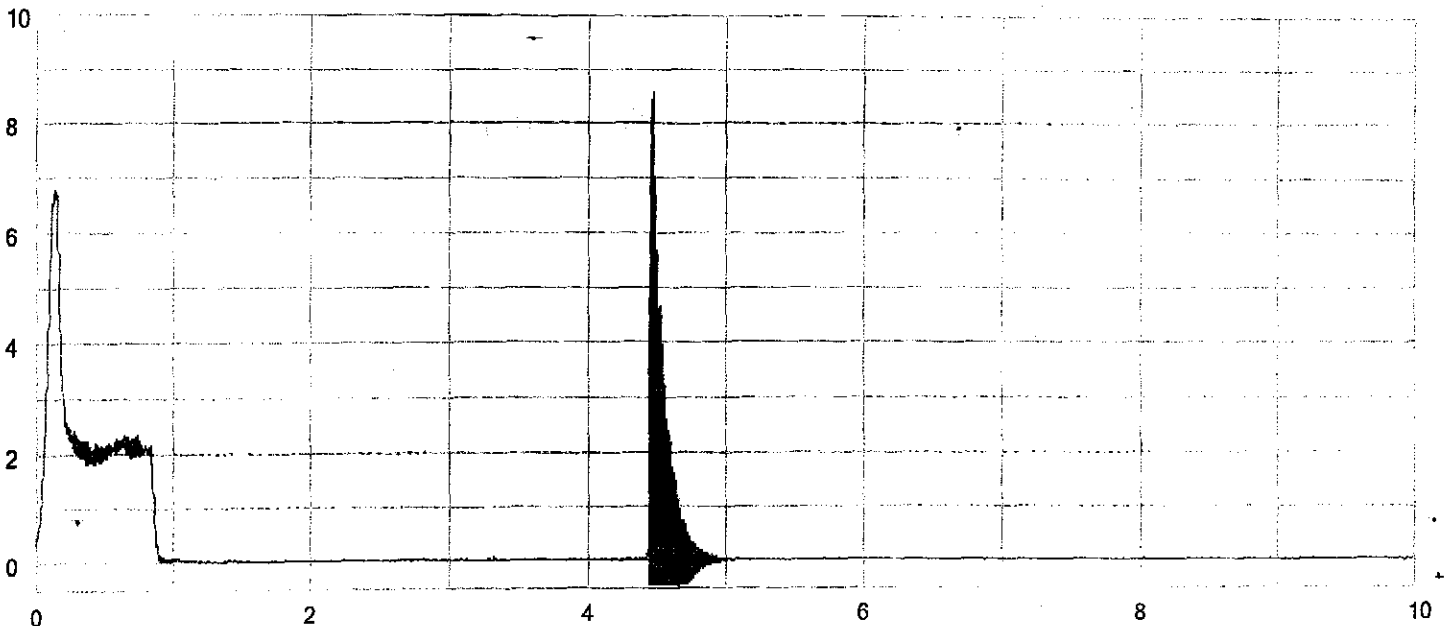
TOTAL IMPULSE: 2.37 Ns  
THRUST PEAK: 8.58 N  
THRUST AVERAGE: 0.51 N  
THRUST DURATION: 4.64 sec  
TIME DELAY: 0.2 sec

MANUFACTURER:

ESTES

DIMENSIONS

DIAMETER: 13 mm  
LENGTH: 55 mm  
TOTAL WEIGHT: 7.9 g  
PROPELLENT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:07:02

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

A10-3T

RESULTS

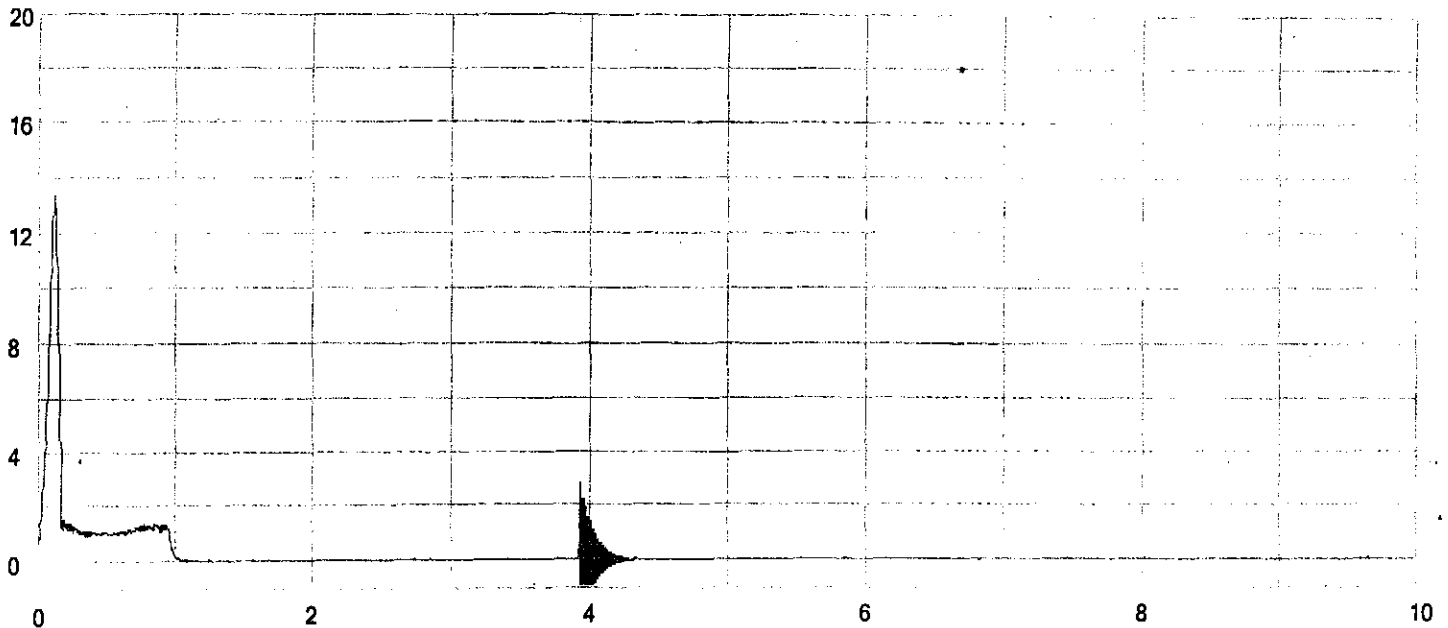
TOTAL IMPULSE: 2.09 Ns  
THRUST PEAK: 13.41 N  
THRUST AVERAGE: 0.52 N  
THRUST DURATION: 4.01 sec  
TIME DELAY: 0.2 sec

MANUFACTURER:

ESTES

DIMENSIONS

DIAMETER: 13 mm  
LENGTH: 45 mm  
TOTAL WEIGHT: 7.8 g  
PROPELLENT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:26:27

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

C 6-3

RESULTS

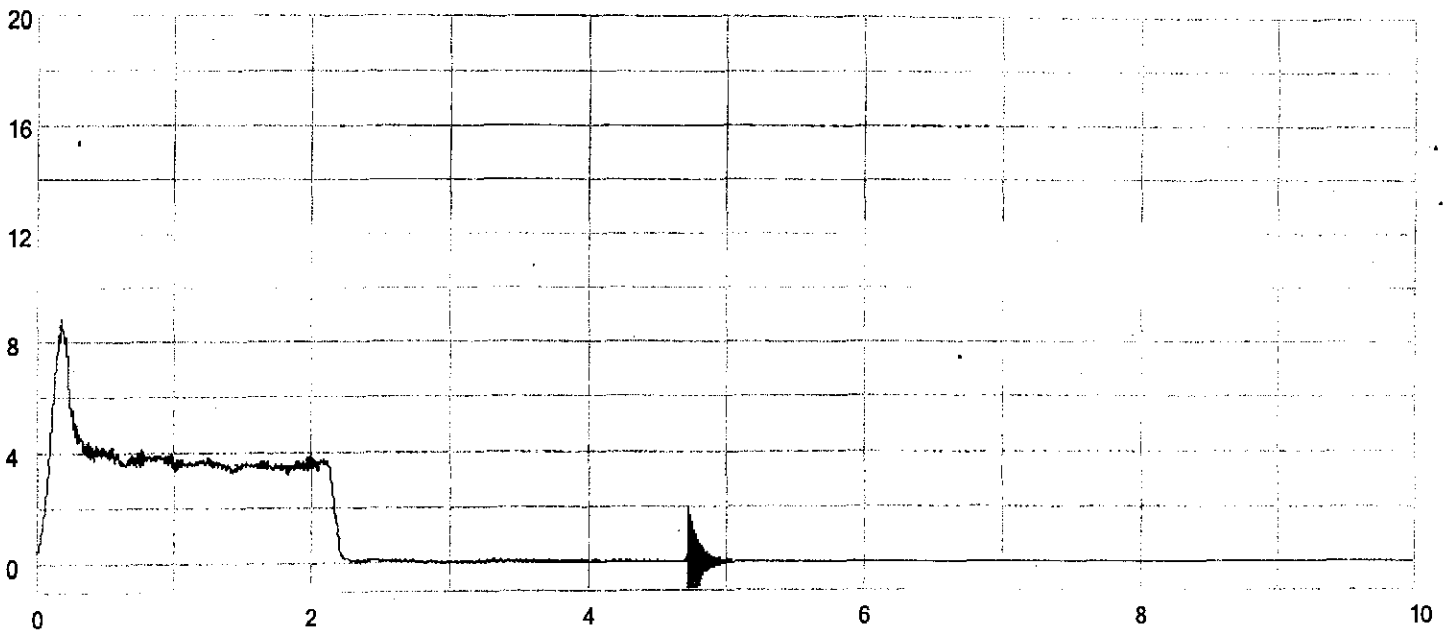
TOTAL IMPULSE: 8.49 Ns  
THRUST PEAK: 8.89 N  
THRUST AVERAGE: 1.80 N  
THRUST DURATION: 4.72 sec  
TIME DELAY: 0.2 sec

MANUFACTURER:

ESTES

DIMENSIONS

DIAMETER: 18 mm  
LENGTH: 70 mm  
TOTAL WEIGHT: 23.8 g  
PROPELLENT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:25:05

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

D3PT

RESULTS

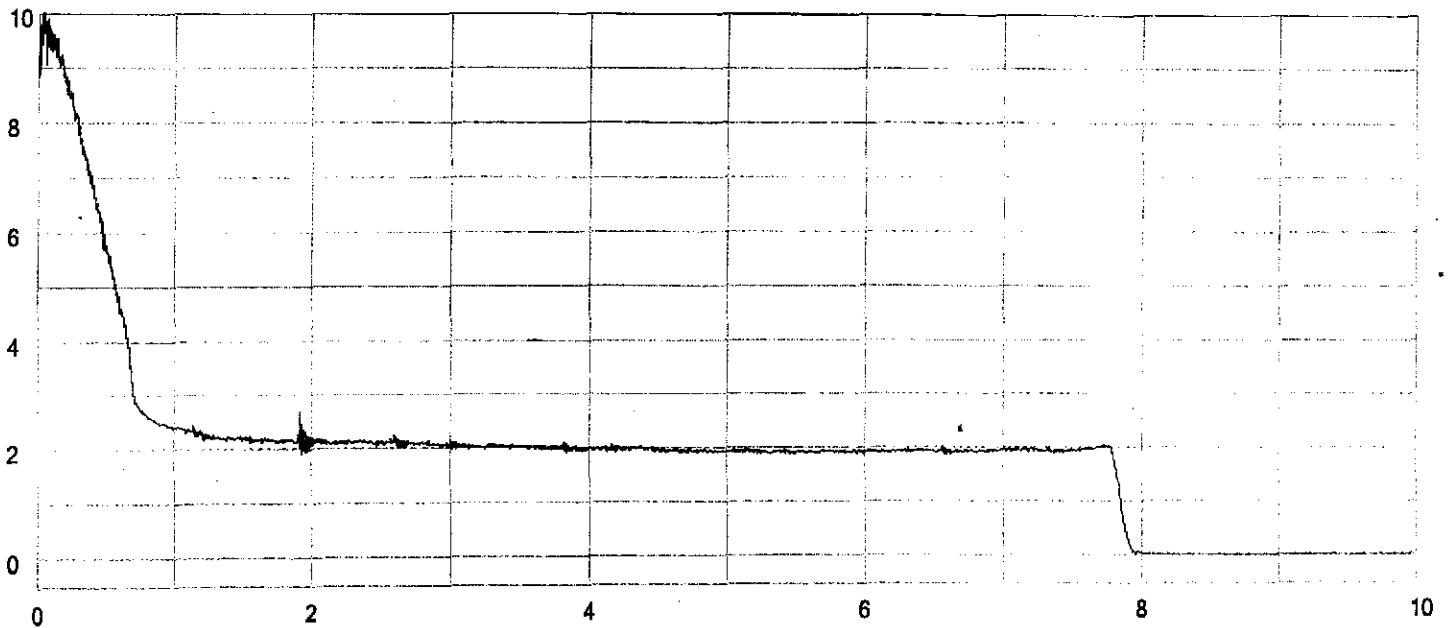
TOTAL IMPULSE: 19.39 Ns  
THRUST PEAK: 10.18 N  
THRUST AVERAGE: 2.47 N  
THRUST DURATION: 7.85 sec  
TIME DELAY: 0 sec

MANUFACTURER:

aerotech

DIMENSIONS

DIAMETER: 18 mm  
LENGTH: 70 mm  
TOTAL WEIGHT: 23.25 g  
PROPELLENT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:08:38

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:



# CERTIFICATE OF CONFORMITY

This space model engine type is certified to meet FAI space model engine standards.

ENGINE TYPE:

D 4-0-RC

RESULTS

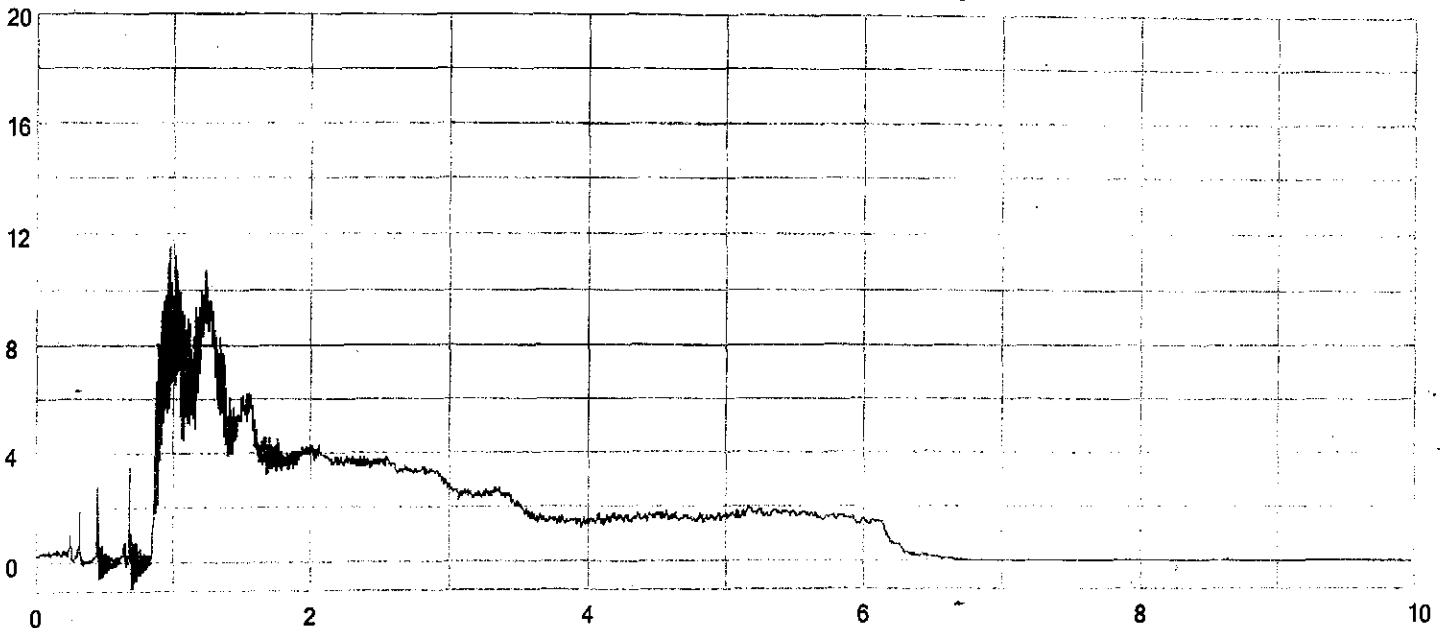
TOTAL IMPULSE: 15.94 Ns  
THRUST PEAK: 11.56 N  
THRUST AVERAGE: 2.49 N  
THRUST DURATION: 6.4 sec  
TIME DELAY: 0 sec

MANUFACTURER:

MRK

DIMENSIONS

DIAMETER: 20 mm  
LENGH: 60 mm  
TOTAL WEIGH: 25.5 g  
PROPELANT WEIGHT: g



DATE OF TESTING: 08-25-2013

TIME: 20:17:45

TYPE OF ENGINE TESTER: MER2+

SERIAL No: 12.03

AIR TEMPERATURE: 28 C

NAMES OF ENGINE TESTING OFFICIALS:

