

TESTING / INSPECTION REPORT

DATE : January 12, 2004

REPORT NO : ST-040112-1

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SPECIMEN : AEC-204-B

TEST / INSPECTION ITEMS : Shock Test (See Page 2)

REMARKS :

- The results only apply to the device under test.
- This report is 10 pages, and no part of it may be abstracted or reproduced.
- Attached pages are controlling pulse of shock test.

Test Engineer :

Ben Huang

Approved by :

*2004.1.13**Dave Lee*

Laboratory Head :

Dennis Tang

TESTING / INSPECTION REPORT

TESTING EQUIPMENT :

1. Shock Tester : KING DESIGN (KD-9363EM-1000F2K-50N120,
S/N : GUG02102091)
2. Controller : DACTRON (FRONT-End Box, S/N:7459933)
3. Control Accelerometer : Wilcoxon Research (WR-777 , S/N:4207)

TEST ENVIRONMENT :

- Temperature : 23±2°C
- Humidity : 70±20% RH

SPECIMEN :

- Model : AEC-204-B
- Quantity : 1 piece

SHOCK TEST SPECIFICATION :

- Wave Form : Half sine wave
- Acceleration : 15 g
- Duration Time : 11 ms
- No. of Shock : Each axis 3 times
- Shock Direction : ±X, ±Y, ±Z axis

TEST RESULT :

- Appearance check : No damage
- Function check : See page 4

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Testing photos

AXIS $\pm X$



AXIS $\pm Y$



AXIS $\pm Z$



TESTING / INSPECTION REPORT

Testing photos

After test



Axis X

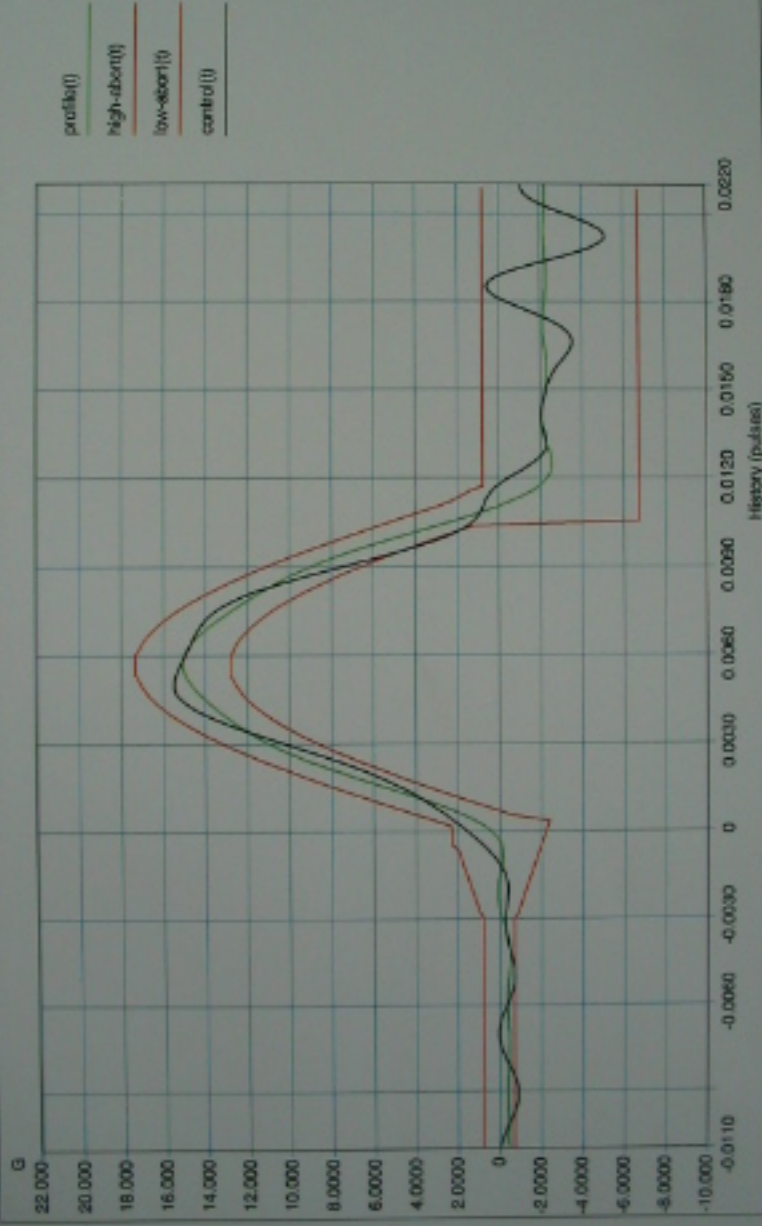
Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder:

.\\Run Jan 08, 2004 10:26:57



Level: 100 % Block Size: 4096 Elapsed Pulses: 10

Frame Time: 0.682667 Seconds Control Peak: 15.421461 G Control RMS: 1.502054 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 10:27:17 AM, Thursday, January 08, 2004

Report created at 10:27:18 AM, Thursday, January 8, 2004

Axis -X

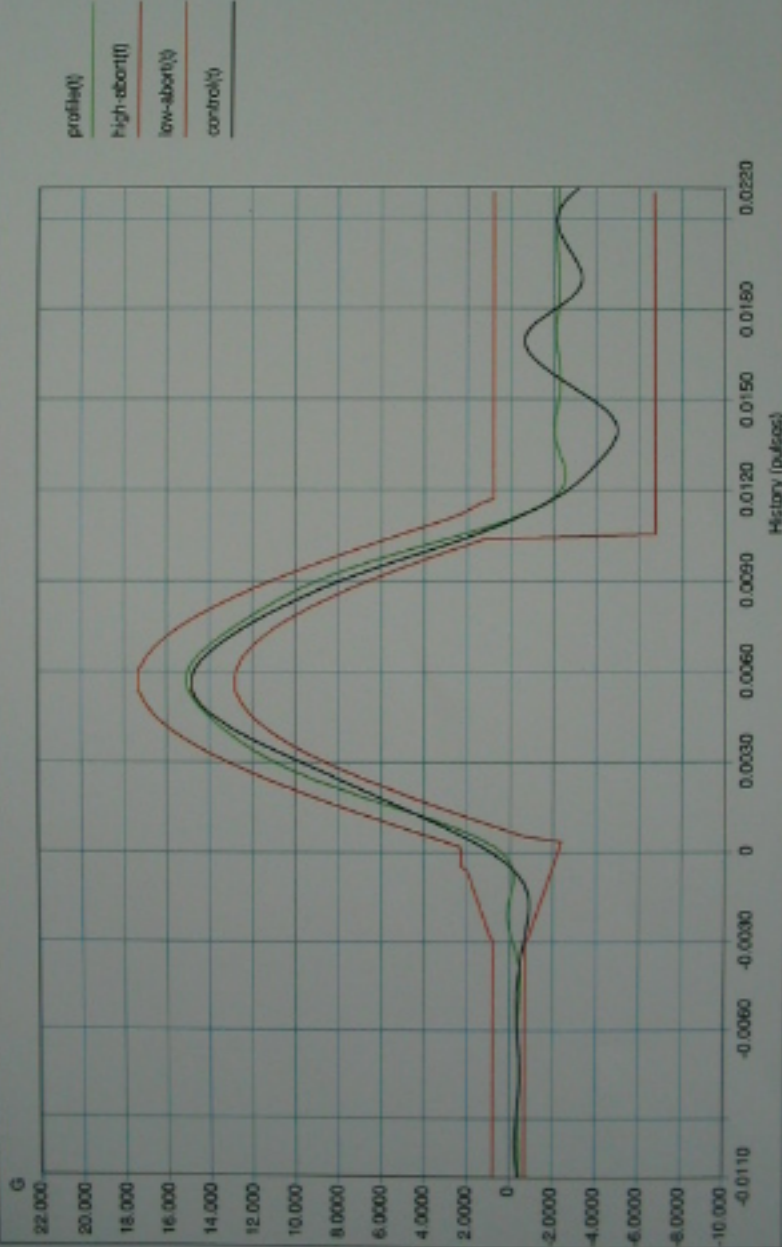
Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run

Jan 08, 2004 10:31:34



Level: 100 %

Block Size: 4096

Elapsed Pulses: 10

Frame Time: 0.682667 Seconds

Control Peak: 16.297623 G

Control RMS: 2.005183 G

Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds

Demand Peak: 14.999999 G

Demand RMS: 1.490628 G

Remaining Pulses: 0

Pulse Type: Half Sine

Amplitude: 14.999999 G

Pulse Width: 11.000001 ms

Data saved at 10:31:55 AM, Thursday, January 08, 2004

Report created at 10:31:56 AM, Thursday, January 8, 2004

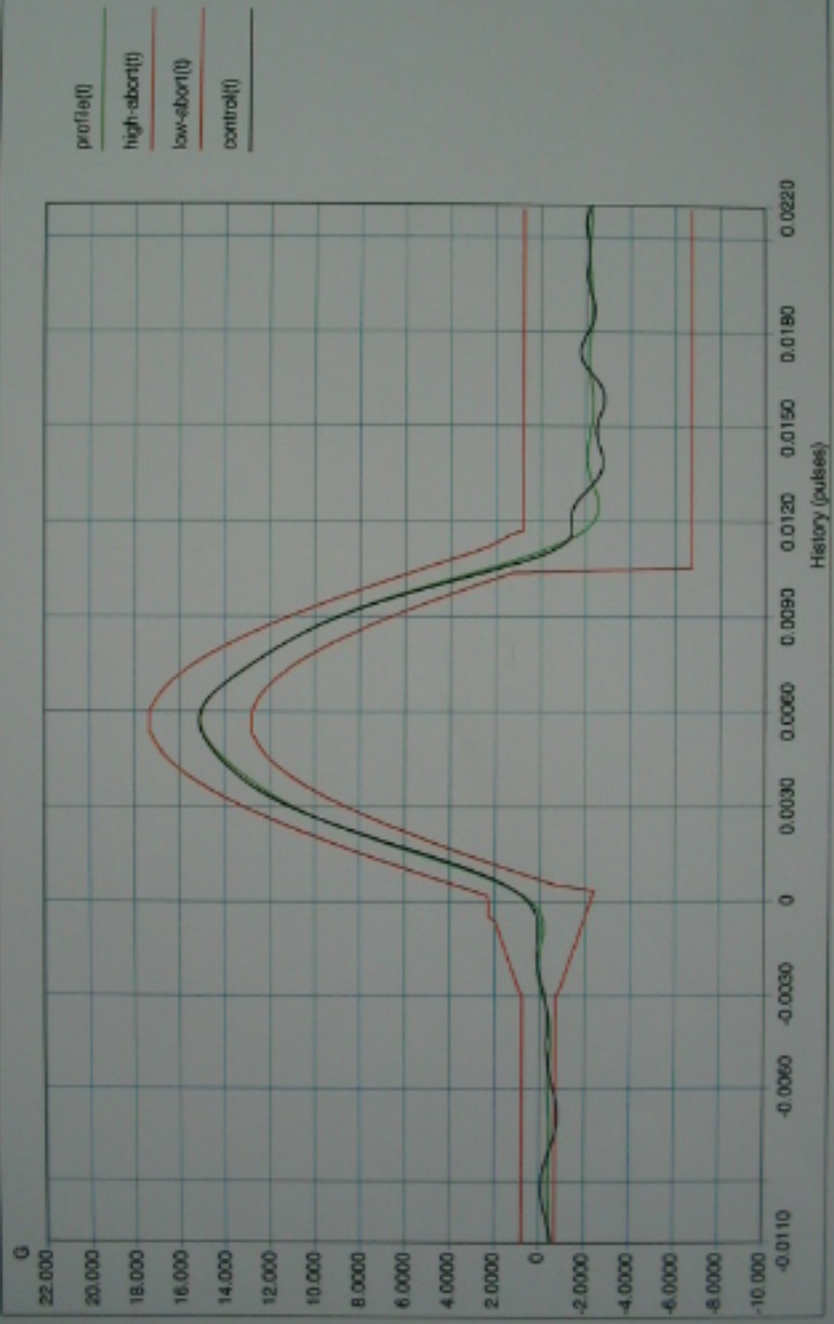
Axis y

Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jan 08, 2004 10:20:34



Level: 100 % Block Size: 4096 Elapsed Pulses: 10

Frame Time: 0.682667 Seconds Control Peak: 15,043439 G Control RMS: 1.492937 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 10:20:58 AM, Thursday, January 08, 2004

Report created at 10:20:59 AM, Thursday, January 8, 2004

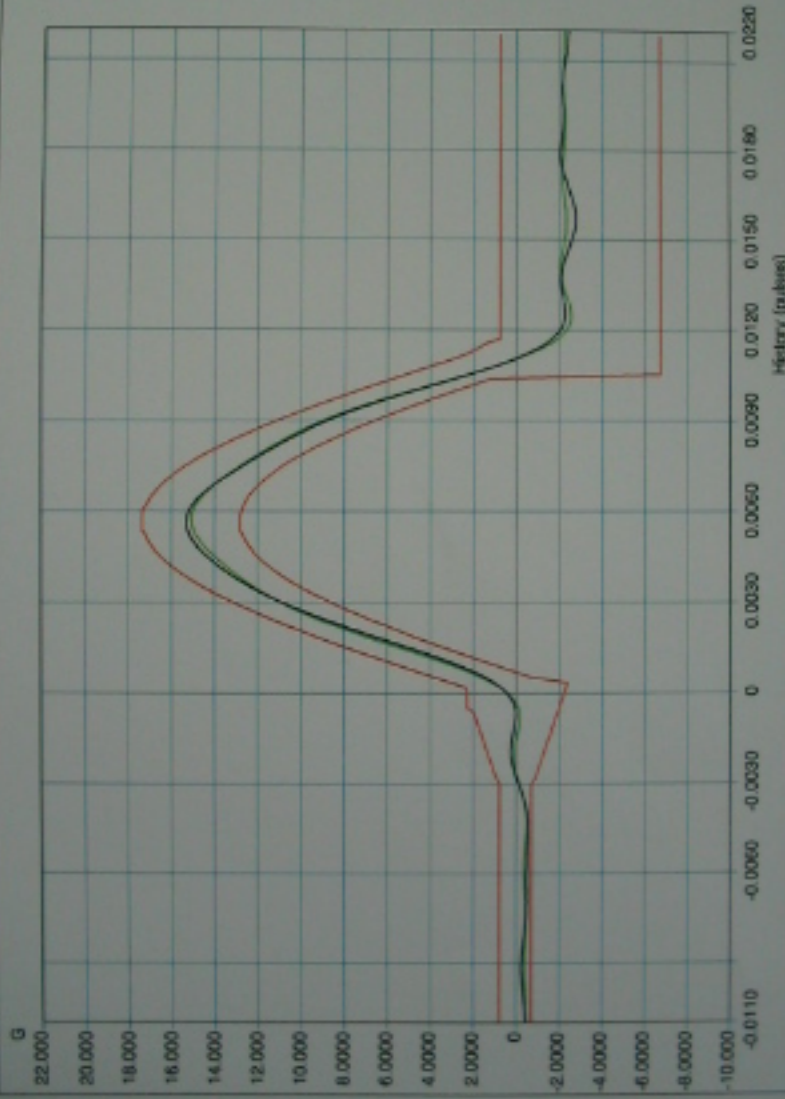
Axis -y

Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder: .\Run Jan 08 2004 10-23-05



Level: 100 %

Block Size: 4096

Elapsed Pulses: 10

Frame Time: 0.682667 Seconds

Control Peak: 15.239165 G

Control RMS: 1.492330 G

Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds

Demand Peak: 14.999999 G

Demand RMS: 1.480628 G

Remaining Pulses: 0

Pulse Type: Half Sine

Amplitude: 14.999999 G

Pulse Width: 11.000001 ms

Data saved at 10:23:25 AM, Thursday, January 08, 2004

Report created at 10:23:26 AM, Thursday, January 8, 2004

Axis Z

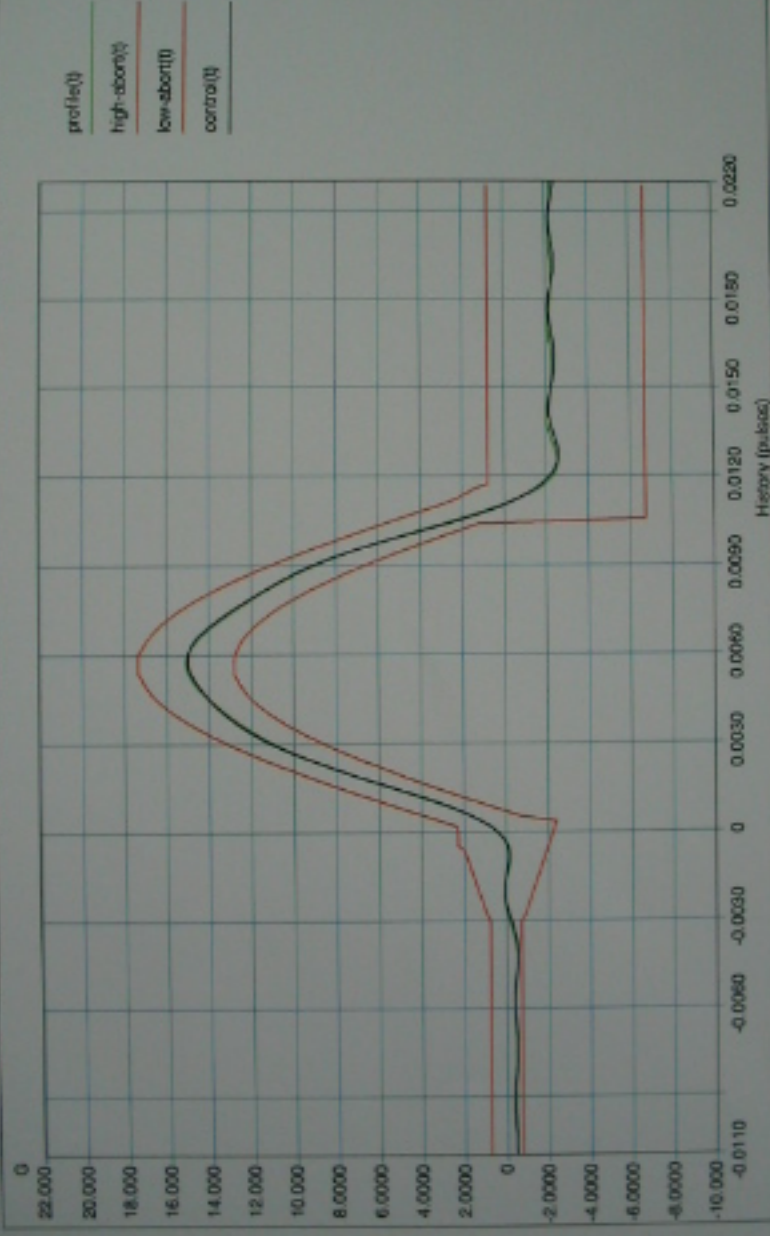
Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder:

.Run Jan 08, 2004 10-09-14



Level: 100 % Block Size: 4096 Elapsed Pulses: 10

Frame Time: 0.682667 Seconds Control Peak: 14.953959 G Control RMS: 1.482773 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 10:09:39 AM, Thursday, January 08, 2004 Report created at 10:09:41 AM, Thursday, January 8, 2004

Axis -Z

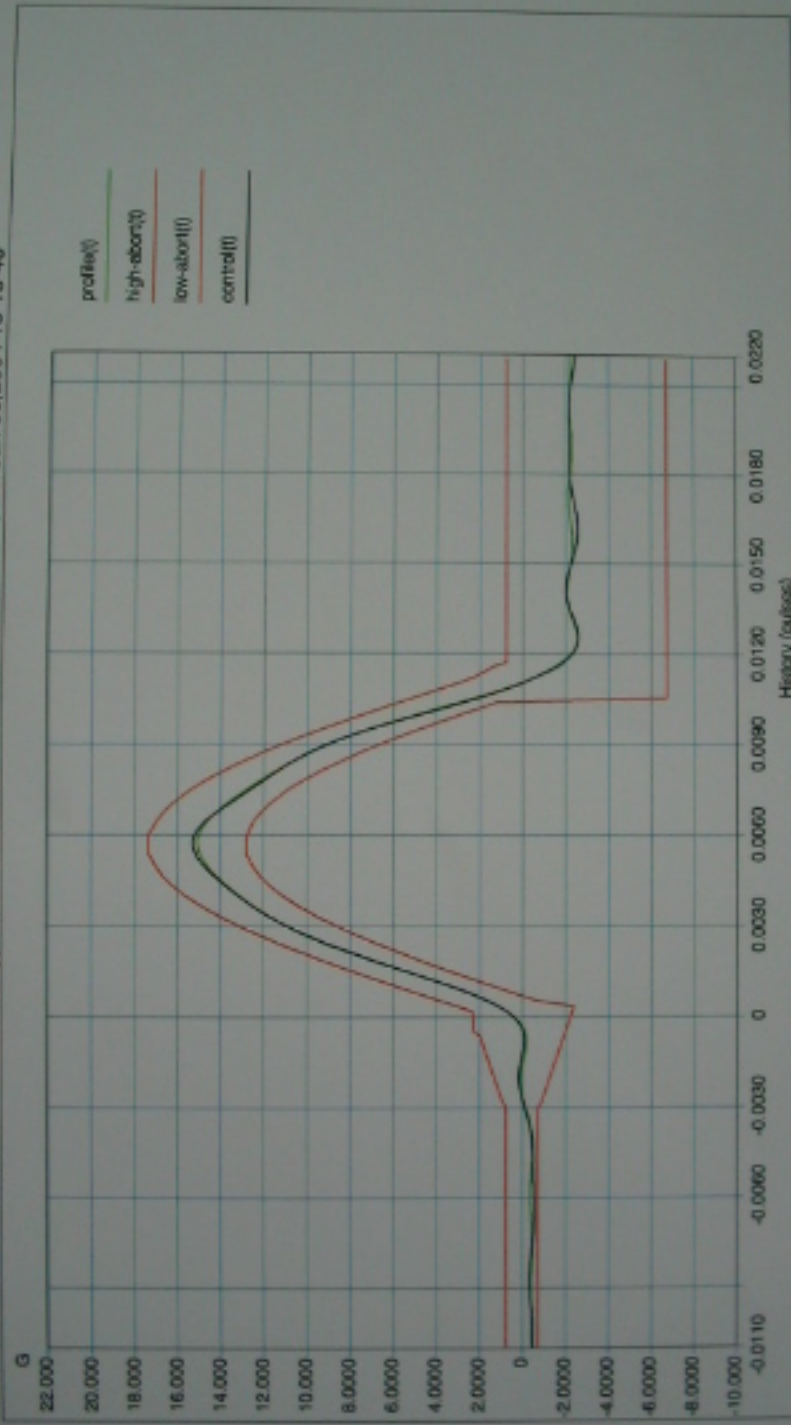
Project File Name: Untitled

Profile Name: 15G 11mSec

Test Type: Classical Shock

Run Folder:

.\Run Jan 08, 2004 10-16-48



Level: 100 % Block Size: 4096 Elapsed Pulses: 10

Frame Time: 0.682667 Seconds Control Peak: 15.219117 G Control RMS: 1.491601 G Full Level Elapsed Pulses: 3

dT: 0.000167 Seconds Demand Peak: 14.999999 G Demand RMS: 1.480628 G Remaining Pulses: 0

Pulse Type: Half Sine Amplitude: 14.999999 G Pulse Width: 11.000001 ms

Data saved at 10:17:11 AM, Thursday, January 08, 2004

Report created at 10:17:11 AM, Thursday, January 8, 2004