



**AAEON**Technology INC.  
ISO-9001/ISO-14001 Certified  
Industrial Automation PCs

# **AMB-270 / OPD-217**

## **QE Shock Test Report**

Release Date : Feb. 02, 2002

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**Issue Stamp**

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**QE Manager**

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**Test Engineer**

# Shock

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**Model Name** : AMB-220 / OPD-212

**Test Date** : 02-01-2002

**Test Site** : AAEON QE Dept.

**Performed by** : Rex Chang

## **TEST ENVIRONMENT :**

**Temperature** : 20  $\pm$

**Humidity** : 70  $\pm$ 20%RH

## **SHOCK TEST SPECIFICATION :**

**Wave Form** : **Half Sine Wave (Operating)**

**Acceleration** : **30g**

**Duration** : **11ms**

**No. of shock** : **Each axis 3 times**

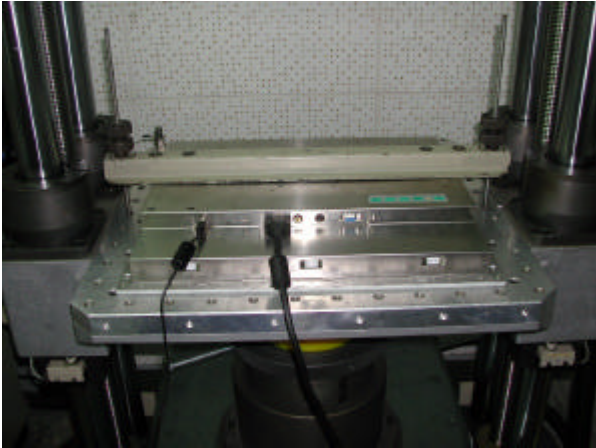
**Shock Direction** : **Bottom, Left, Top, Right, Front, Back, axis**

## **TEST RESULT :**

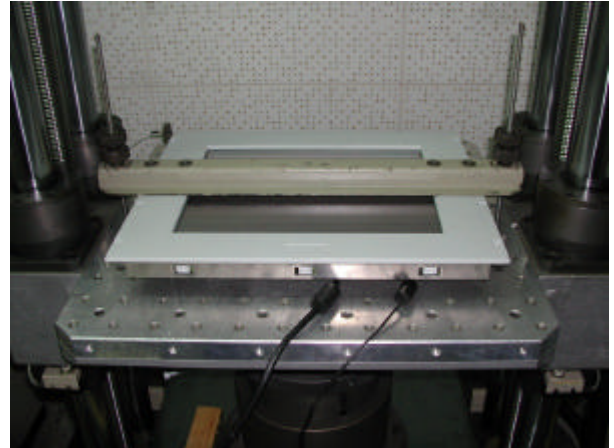
**Item 1 : System structure doesn't deformation , LCD display function is OK during system test.**

# Testing photos

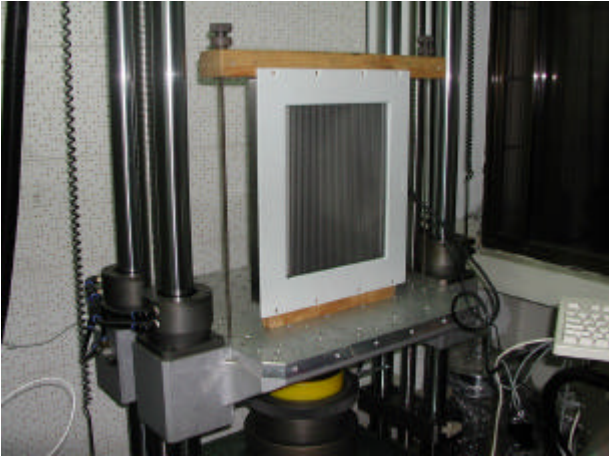
**+X**



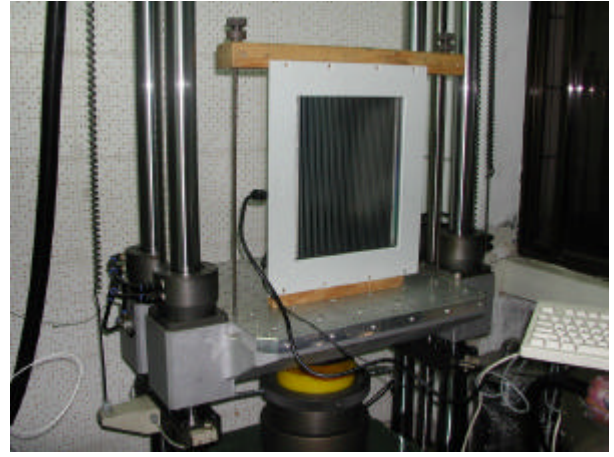
**-X**



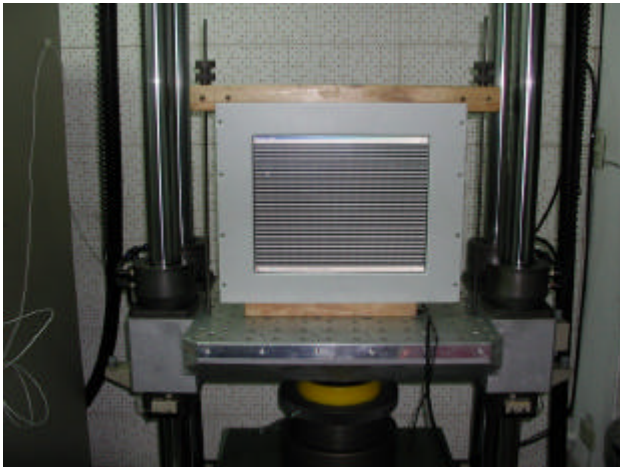
**+Y**



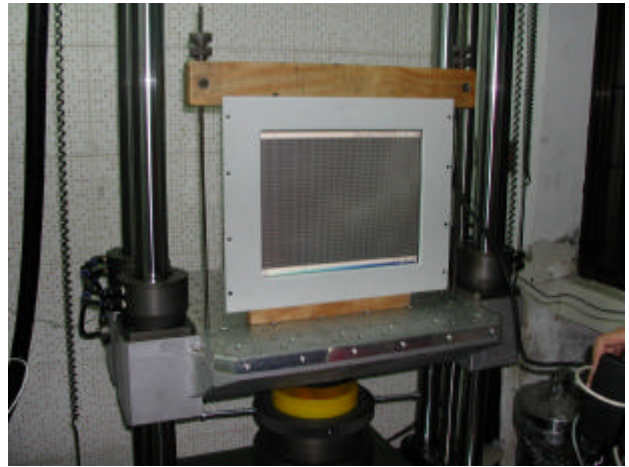
**-Y**



**+Z**



**-Z**



AMB-270/OPD-217 30g 11ms +X

DP-1200

KING DESIGN Lab.

WINDOWS 0

DURATION TIME: mS

11.00

SHOCK LEVEL: G

33.14

CTL. MODE: HEIGHT

+100 mm

+3

LOCK

RELEASE

+33.14 G

+3

F1: HELP

F2: START

F3: STOP

F4: PAUSE

F5: TABLE UP

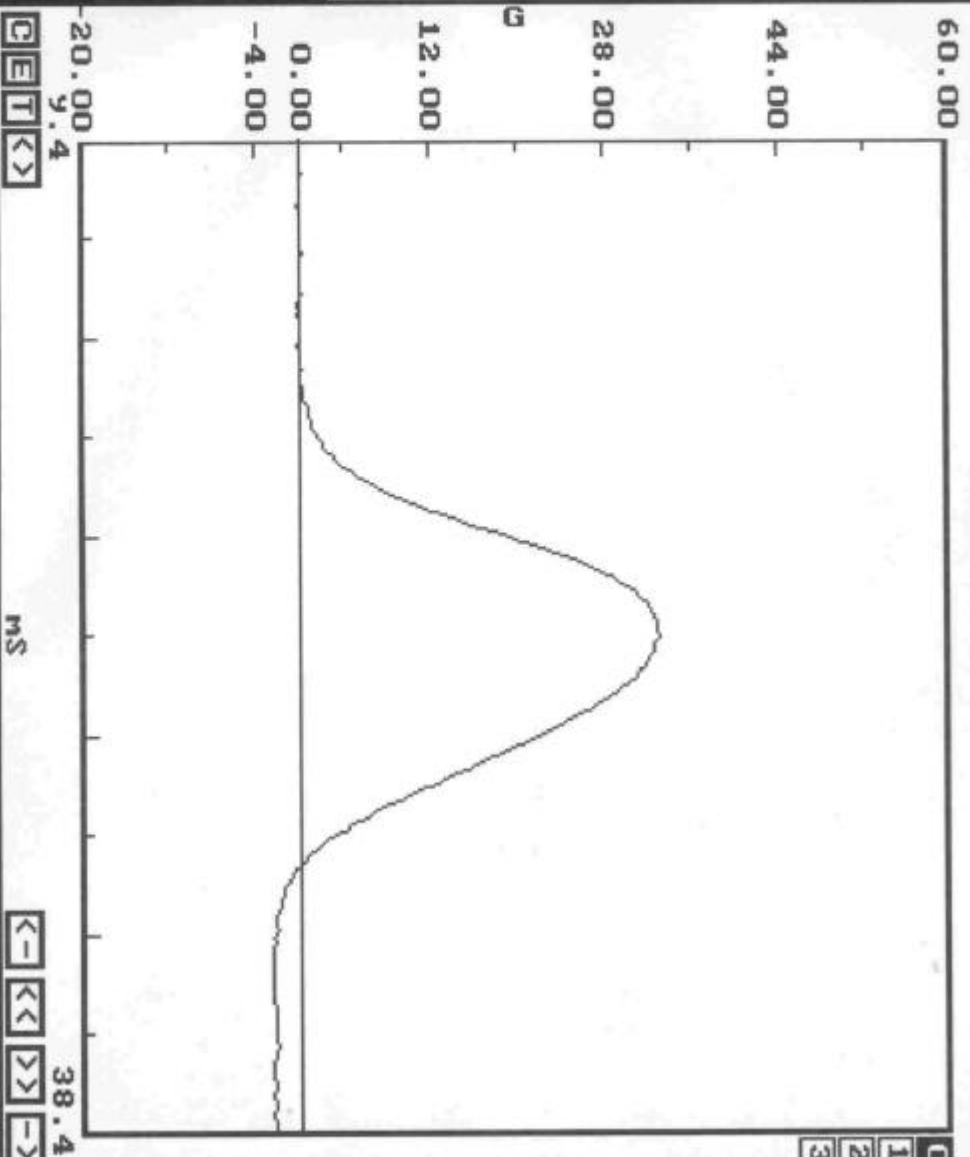
F6: SAUE GRAP

F7: PRINT

F8: PRETEST

F9: REPLACE

F10: TABLE DN



Bhannel 1	0	-	ON	1	-	OFF	2	-	OFF	3	-	OFF
Title	CONTROL											
Max Acc	33.14	---										
Min Acc	-2.50	---										
Dur. T	11.00	---										
Delta U	2.20	---										
Filter	300	---										

TEST FILE

TEST.PRA

REPORT FILE

TEST000.

+X

KING DESIGN Lab.

DURATION TIME: ms

10.90

SHOCK LEVEL: G

32.89

CTL. MODE: HEIGHT

+100 mm

+3

LOCK

RELEASE

+32.89 G

+3

F1: HELP

F2: START

F3: STOP

F4: PAUSE

F5: TABLE UP

F6: SAUE GRAP

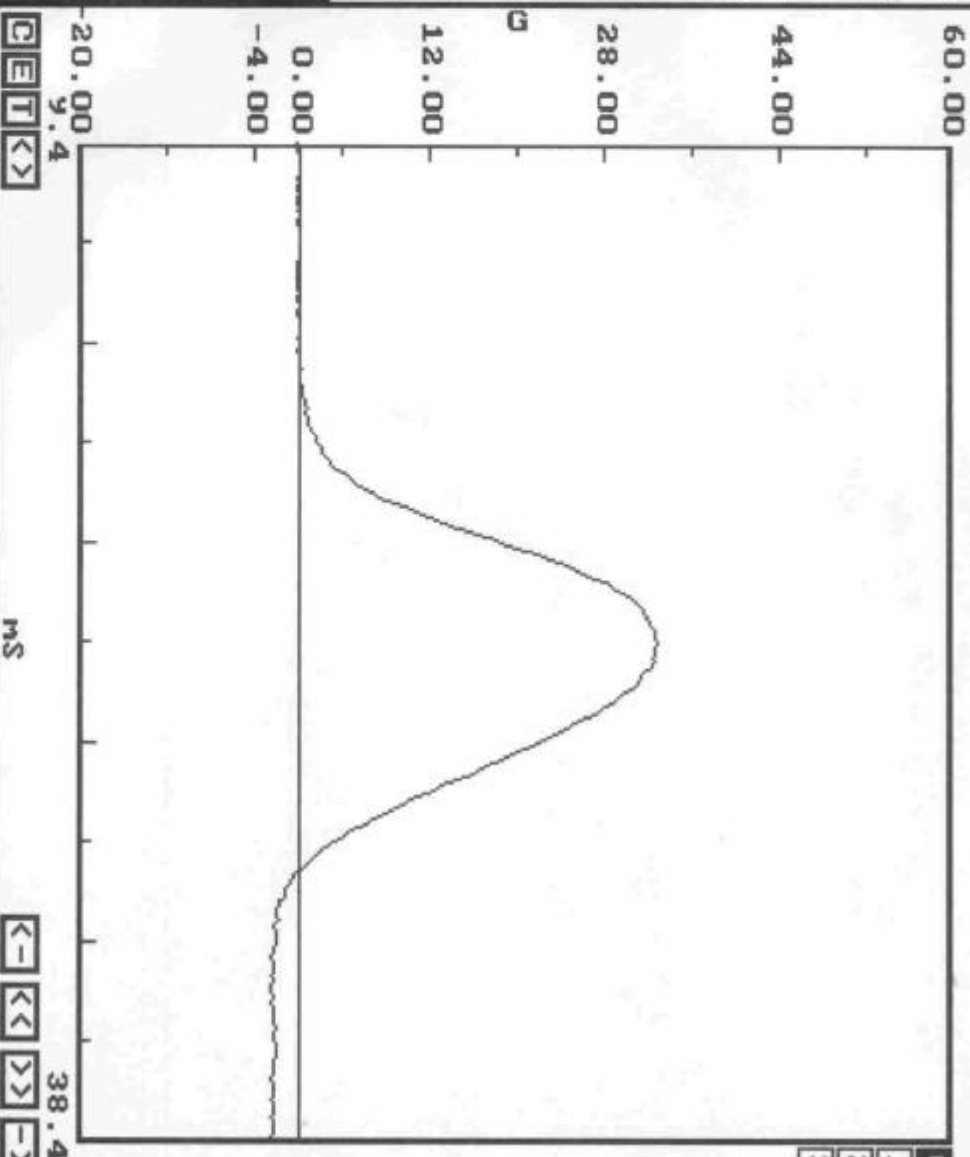
F7: PRINT

F8: PRETEST

F9: REPLACE

F10: TABLE DN

WINDOWS 0



Bhannel	0	1	2	3
Title	CONTROL			
Max Acc	32.89			
Min Acc	-2.50			
Dur. T	10.90			
Delta U	2.18			
Filter	300			

TEST FILE

TEST.PRA

REPORT FILE

TEST000.

AMB-270/OPD-217 30g 11ms +Y

MD DP-1200

KING DESIGN Lab.

DURATION TIME: mS

11.30

SHOCK LEVEL: G

30.77

CTL. MODE: HEIGHT

+100 mm +30.77 G

+3 +3

LOCK RELEASE

F1: HELP

F2: START

F3: STOP

F4: PAUSE

F5: TABLE UP

F6: SAUE GRAP

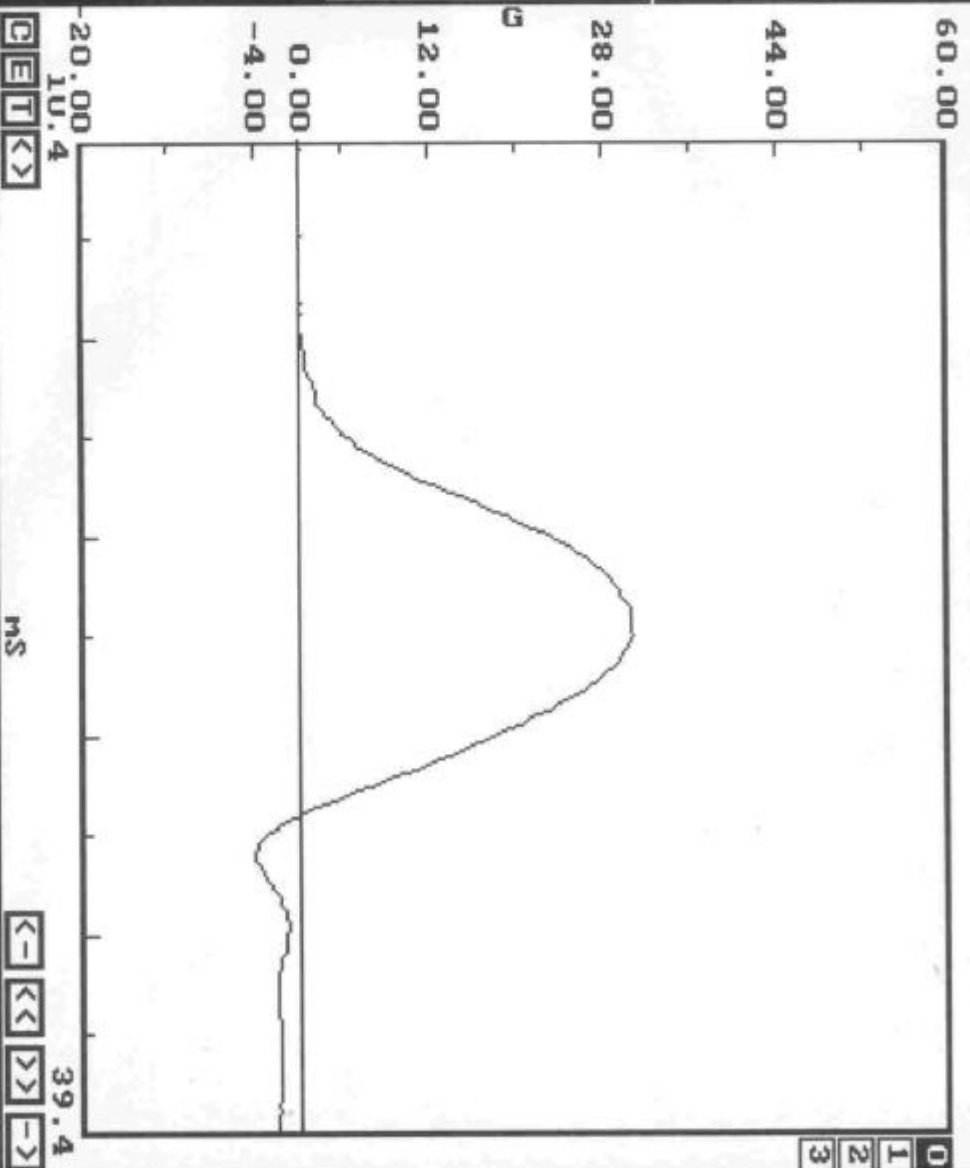
F7: PRINT

F8: PRETEST

F9: REPLACE

F10: TABLE DN

WINDOWS 0



Test has complete ?

Bhannel	0 - ON	1 - OFF	2 - OFF	3 - OFF	
Title	CONTROL				
Max Acc	30.77				G
Min Acc	-4.00				G
Dur. T	11.30				ms
Delta U	2.14				m/s
Filter	300				Hz

TEST FILE

TEST.PRA

REPORT FILE

TEST000.

+Y



AMB-270/OPD-217 30g 11ms -Y

MD DP-1200

KING DESIGN Lab.

DURATION TIME: mS

11.00

SHOCK LEVEL: G

30.64

CTL. MODE: HEIGHT

+100 mm

+3

LOCK

RELEASE

F1: HELP

F2: START

F3: STOP

F4: PAUSE

F5: TABLE UP

F6: SAUE GRAP

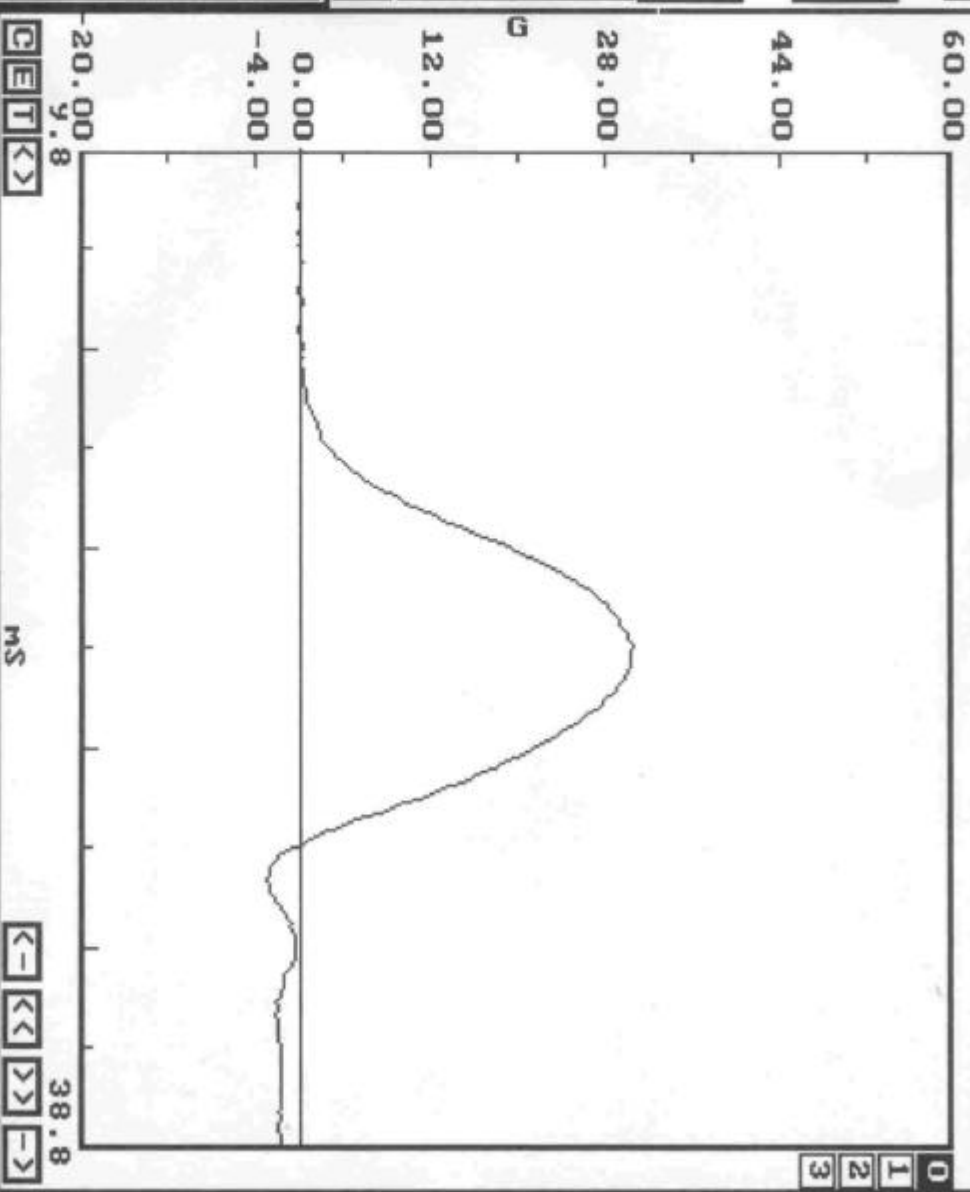
F7: PRINT

F8: PRETEST

F9: REPLACE

F10: TABLE DN

WINDOWS 0



Test has complete ?

Bhannel 1	0	-	ON	1	-	OFF	2	-	OFF	3	-	OFF
Title :	CONTROL											
Max Acc :	30.64											
Min Acc :	-3.00											
Dur. T :	11.00											
Delta U :	2.10											
Filter :	300											

TEST FILE

TEST.PRA

REPORT FILE

TEST000.





AMB-270/OPD-217 30g 11ms +2

MD DP-1200

KING DESIGN Lab.

DURATION TIME: mS

11.10

SHOCK LEVEL: G

30.27

CTL. MODE: HEIGHT

+100 mm

+3

LOCK

RELEASE

F1: HELP

F2: START

F3: STOP

F4: PAUSE

F5: TABLE UP

F6: SAUE GRAP

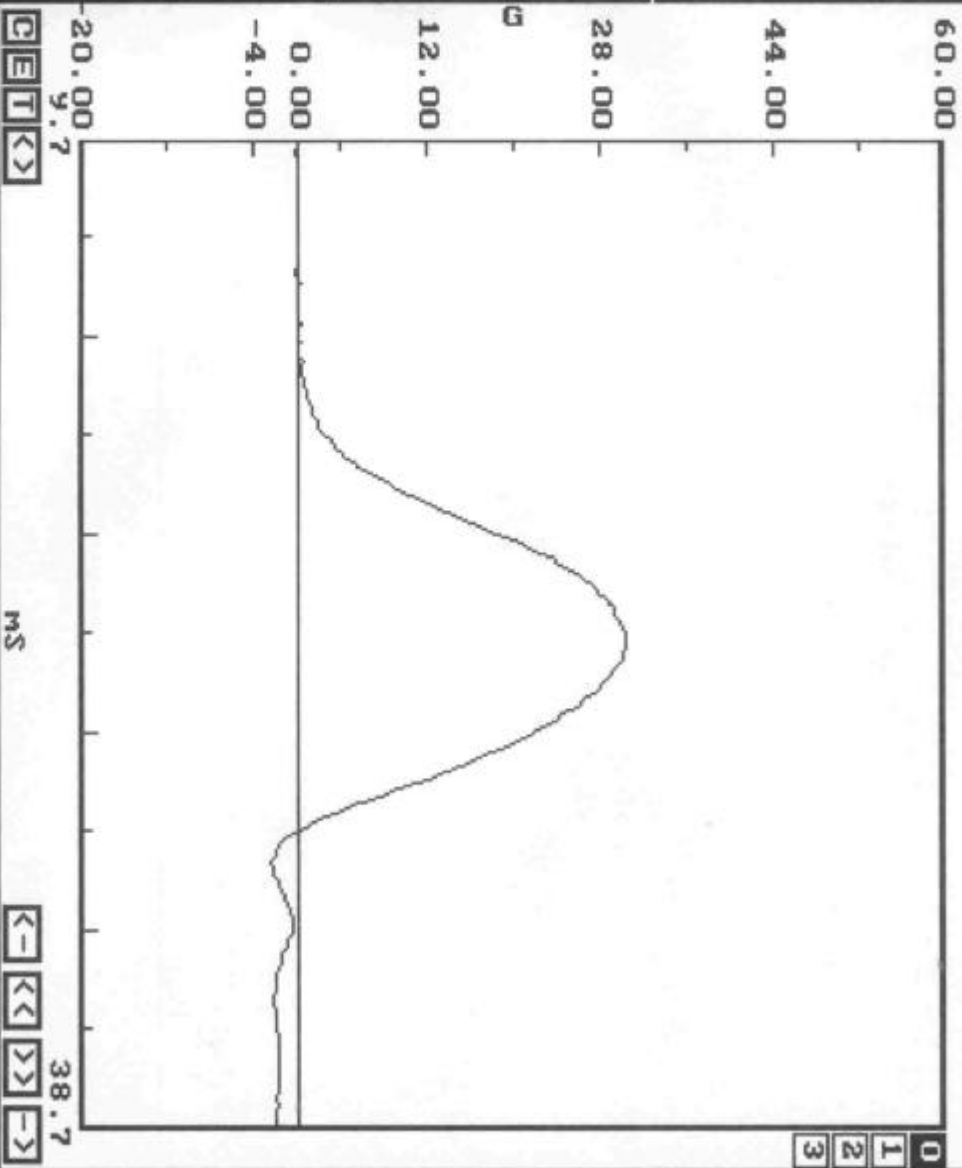
F7: PRINT

F8: PRETEST

F9: REPLACE

F10: TABLE DN

WINDOWS 0



Test has complete !

Bhannel	0	1	2	3
Title	CONTROL			
Max Acc	30.27			
Min Acc	-2.50			
Dur. T	11.10			
Delta U	2.09			
Filter	300			

TEST FILE

TEST.PRA

REPORT FILE

TEST000.

+Z

AMB-278/OPD-217 38g 11ms -2

MDP-1200

KING DESIGN Lab.

DURATION TIME: mS

10.90

SHOCK LEVEL: G

30.64

CTL. MODE: HEIGHT

+100 mm

+30.64 G

+3

+3

LOCK

RELEASE

F1: HELP

F2: START

F3: STOP

F4: PAUSE

F5: TABLE UP

F6: SAUE GRAP

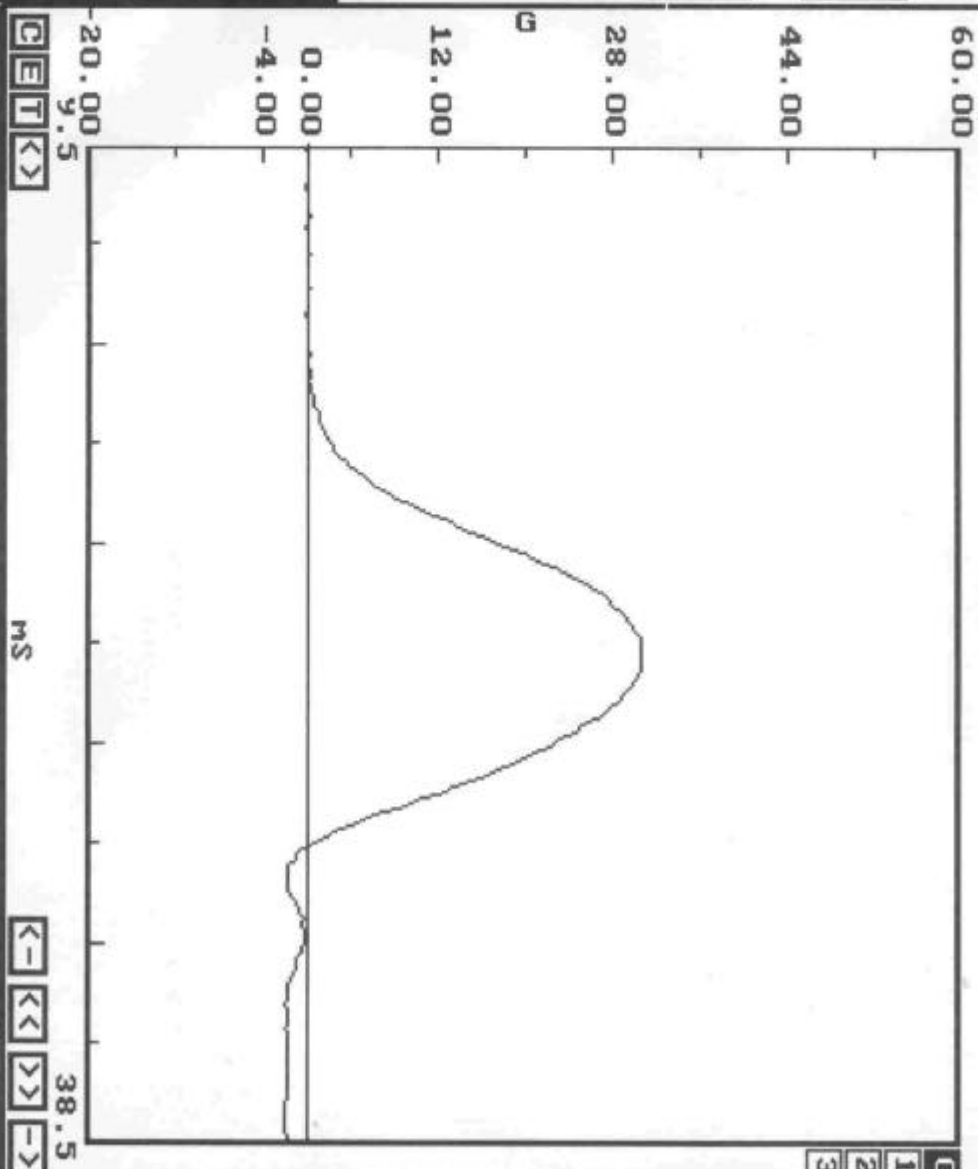
F7: PRINT

F8: PRETEST

F9: REPLACE

F10: TABLE DN

WINDOWS 0



Test has complete ?

Bhanel 1	0 - ON	1 - OFF	2 - OFF	3 - OFF	
Title :	CONTROL				
Max Acc :	30.64				G
Min Acc :	-1.88				G
Dur. T :	10.90				ms
Delta U :	2.09				m/s
Filter :	300				Hz

TEST FILE

TEST.PRA

REPORT FILE

TEST000.