

PX-4-110

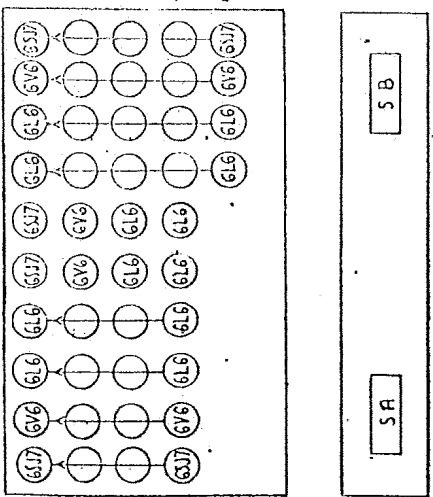
A.W.S.
1-8-46

H. CALDWELL ECKHART
DEC 21 1945

PULSE AMPLIFIER TESTING CHART

Static Test
TUBE N170-4-Pin 2 WKS 200
Pin 8 WKS 350
N170-5 WKS N170-5
Pin 12 WKS 4000
"CHIRP" MODE
1/2 WKS 5-2-46

Static tests are to be made with all tubes removed. Before plugging in the DC cables, a resistance measurement should be made from every voltage terminal to every other to determine "open" shorts; this should measure "open" except in the cases listed. Static tests are made with all cables removed except the DC cables.



PC	SA	SE
3 +225	1 Input	1 Output
4 +150	2 Input	2 Output
5 +110	3 Input	3 Output
6 +50	4 Input	4 Output
7 +20	5 Input	5 Output
8 -130	6 Input	6 Output
9 -110	7 Input	7 Output
10 +110	8 Input	8 Output
11 +110	9 Input	9 Output
12 0-ground	10 Input	10 Output
	11 Input	11 Output
	12 Ground	12 Ground

Static Test

Motor readings are in volts

Tube	Motor at	1	2	3	4	5	6	7	8
A 1 to 4	-200	200	200	200	200	200	200	200	200
B 1, P 1	-200	200	200	200	200	200	200	200	200
K 1 to 5	-200	200	200	200	200	200	200	200	200
N 1 to 4	-200	200	200	200	200	200	200	200	200
R 2, P 2	-200	200	200	200	200	200	200	200	200
J 1 to 5	-200	200	200	200	200	200	200	200	200
D 1 to 4	-200	200	200	200	200	200	200	200	200
C 1 to 4	-200	200	200	200	200	200	200	200	200
E 3, P 1	-200	200	200	200	200	200	200	200	200
R 3, P 3	-200	200	200	200	200	200	200	200	200
H 1 to 5	-200	200	200	200	200	200	200	200	200
G 1 to 5	-200	200	200	200	200	200	200	200	200

Dynamic Test

Note: All amplifiers are minimum for new tubes. All rise and fall times maximum; these are given in microseconds; amplifiers in volts. Duration includes time from start of pulse to start of fall.

Type	Pin	Amplitude	Rise	Duration	Fall	Remarks
A 1 to 4	4	±20	---	---	---	Input
K 1 to 5	8	60	---	---	---	
D 1 to 4	5	80	---	---	---	
R 3, P 3	4	45	0.5	2	0.5	
H 1 to 5	3	45	0.5	2	0.5	
G 1 to 5	3	45	0.5	2	0.5	

Note: Pin 12 of PC plug must be connected to ground or test table.
Caution: In connecting SA socket to E-133 with special cable do not plug the plug having all terminals tied together into E-133 socket.