

# Hi-Tone "Custom 50" Voltage Chart

## Turret Board Voltages

1T	0
2T	0
3T	< .1
4T	334
5T	< .1
6T	335
7T	< .1
8T	367
9T	0
10T	< .1
11T	0
12T	212
13T	366
14T	212
15T	< .1
16T	< .1
17T	476
18T	309
19T	476
20T	476
21T	305
22T	6.9
23T	6.9
24T	0
25T	0
26T	233
27T	82
28T	0
29T	< .1
30T	0
31T	0

1B	1.52
2B	1.47
3B	180
4B	180
5B	185
6B	185
7B	N/C
8B	334
9B	1.53
10B	210
11B	210
12B	210
13B	212
14B	< .1
15B	< .1
16B	< .1
17B	366
18B	-43
19B	309
20B	305
21B	-43
22B	86
23B	91
24B	6.9
25B	87
26B	334
27B	233
28B	82
29B	N/C
30B	1.86
31B	1.86

P1	N/C
P2	0
P3	6.9
P4	6.6
P5	0
P6	0
P7	-43
P8	-35
P9	-44
P10	-35
P11	-44
P12	-44
P13	214 AC
P14	-43
P15	370 AC
P16	483
P17	484
P18	484
P19	484
P20	484
P21	484
P22	367 AC
P23	367 AC

Mains adjusted to exactly 120VAC.

All voltages DC unless otherwise indicated.

NOTE: All voltages are approximate, and will vary slightly from unit to unit.

### Tube Pin Voltages

V1	
1	185
2	0
3	1.46
4	heater
5	heater
6	180
7	0
8	1.51
9	heater

V2	
1	N/C
2	N/C
3	N/C
4	heater
5	heater
6	211
7	< .1
8	1.52
9	heater

V4	
1	303
2	86
3	90
4	heater
5	heater
6	106
7	90
8	90
9	heater

V3	
1	336
2	82
3	87
4	heater
5	heater
6	235
7	0
8	1.88
9	heater

P1	
1	0
2	heater
3	482
4	479
5	-43
6	482
7	heater
8	0

P2	
1	0
2	heater
3	482
4	479
5	-43
6	482
7	heater
8	0

Heater voltages will be ~3.15 VAC with respect to ground.

### Electrolytic Capacitor Voltages

16+32 uF	
16	333 (yel)
32	366 (rd)
(-)	0

50+50 uF	
50	484
50	475
(-)	245

220 uF	
(+)	245
(-)	0

220 uF		220 uF	
(+)	484	(+)	239
(-)	239	(-)	0