

TUBE TEST LISTING

FOR SUPREME INSTRUMENTS

MODELS 35, <sup>85</sup>85P, 85C, AND STANDARD DIAGNOMETER)

10142

Notice; Due to the number of tubes issued in the last year. it is impossible to print these on tube cards to fit the lid of your tester thus, we have discontinued their use and all listings have, for some time, been issued in booklet form, new tube listings are available from the factory on application.

general operating instructions  
 set; filament volts selector; as per tube list column (FVS).  
 Set; Quality selector as indicated in column (QS).  
 Insert tube in proper socket. (Observe notations)

Leakage-Shorts Test; Throw ~~to~~ (Leakage-Quality) switch (Model 85 only to leakage position.) Depress each button starting with # 1 and ending with #7. the neon glow lamp will produce a continuous glow under the following conditions

- A- TUBE elements out of position or shorted.
- B- Filament continuity, if confirmed by notes in right hand column. (tapped filaments and interconnected pins)

Quality Test, Throw Quality Switch or Leakage; switch to Quality position. Depress button or buttons as indicated in Button column. it is not practical to make sectional tests on these models, but some open element tests have been included. proceed by depressing the button indicated in regular test and then press the grid, diode plates ect.

In such cases where two tests are listed. both sectional tests should be made to determine the merit of the tube where three tests appear. the first two tests cover the triode and pentode sections and the (dio) indicates the diode sectional test.

ACCESSORIES- PARTS FOR -35, 85, 85P, 85PL, 85C and Standard Diagonometer ADAPTERS;

Stock NO.

DESCRIPTIONS;

- 4853 Adapter for CK Type tubes
- 4878 " " " " FOR HY type Tubes
- 7749 4-pin to octal holes, black dot, octal filament 2&3
- 7174 7-pin to 8-hole octal, violet dot, octal filament 2&7
- 5542 1octal, 7-pin to 8-hole with attached lead, filament 1&8
- 7530 Large UX Base For N.E. Tubes.
- 3380 7-Pin to 8-hole octal, green dot octal filament 7&8
- 1773 7-pin to octal holes, orange dot, octal filament- 2&8
- 5045 Miniature, 8 - pin octal base
- 4895 Miniature junction, red and blue dot 7-pin to octal base with #5 Blank
- 4894 Miniature junction red dot 7-pin to 8-holes straight RMA connections
- 6021 8-pin octal to 8-hole octal

( Tube Test Listing)

Models 35, 85, 85P, 85P<sub>1</sub>, 85c, & Standard Diagonometer.  
10142

General Operation Instruction.

Set " Filament Volts Selector" as per tube list column (FVS)

Set "Quality selector" as indicated in column (QS)

Insert tube in proper socket ( observe notations)

Leakage shorts test\* throw "leakage Quality" switch Model 85 (Only to leakage piston. depress each button starting with # 1 and ending with #7. The neon glow lamp will produce a Continuous glow under the following conditions:

A- Tube elements out of position or shorted

B- Filament continuity if confirmed by notes in right hand column. (tapped filaments and interconnected pins)

Quality test\* throw "Quality leakage" switch to Quality position depress button or buttons as indicated in button column it is not practical to make sectional on these models, but some open elements tests have been included. proceed by depressing the button indicated in regular test and then press the grid, diode plate etc in such cases where too test are listed, both sectional test should be made. sectional test on these models. but some open element tests have been included. proceed by depressing the button indicated in regular test and then press the

SPECIAL INSTRUCTIONS AND SYMBOLS USED IN THIS LIST

- \* Indicates octal tubes
- A Bantam, Jr. Andred circle Adapter
- B Reading will decrease when number 3 and anodes are depressed
- C Heater terminals onside of base--connect these terminals by means of short leads to no 1 no 5 holes in next socket.
- D Heater terminals at top of tube-- connect these terminals by means of short leadsto no 1 andNOholes in next socket.
- E-85 Push NO"15 and No7 buttons simultaneously during leakage test, as cathode is connected to both no 5 and no 7 tube base terminals.
- DIO No diode test on 85 Seares
- F 6Z5 switch up
- G Use red and miniature adapters
- H Use adaptor with violet dot)
- I No diode tast on 85 series)
- J No sectional test on 85 series
- K Use loctal adapter
- L Use red-blue and minature adaptor
- N No test on 85 series
- O Throw 12Z5 switch up
- P Use adapter with orange dot
- Q Throw 12A5 switch up
- R Use adapter with number 2 pin clipped
- S The letter (S) enclosed in parenthesis appearing adjacent to the tube Type indicates foreign types with 14 volt filaments. do not confuse with similar american types.
- T use 4 prong adapter # 7749
- V use adapter # 5540 green dot.
- X reading will decrease when 1 or6 are depressed
- Y reading will decrease when #2or7 are depressed.
- Z use adapter # 7530

#85-2

00A	5.0	60.5	3
01A	5.0	74.0	3
01B	5.0	73.0	3
1A4	2.0	67.5	3
1A5* (H)	1.5	71.5	3
1A6	2.0	71.0	3
1A7* (H)	1.5	76.0	3
1B4	2.0	76.5	3
1B5	2.0	64.5	3
1B5 (D10-I)			
1B7G*(H)	1.5	59.0	3
1B8* (D10)-J			
1B8* (J)			
1B8*	1.5	40.	3
1C5*(H)	1.5	60.0	3
1C6	2.0	64.0	3
1C7*(H)	2.0	68.5	3
1D5 *(H)	2.0	68.5	3
1D7			
1D8*(J)			
1D8*(H)			
1D8* (D10)- 1			
1E4*(H)			
1E5*(H)			
1E7*(H)			
1E7 *(H)			
1F4	2.0	55.5	3
1F5* (H)	2.0	53.0	3
1F6	2.0	64.0	3
1F6(D10-J)			
1F7*(H)	2.0	75.9	3
1F7* (D10)			
1G4* (H)	1.5	60.0	3
1G5*(H)	2.0	61.0	3
1G6*(H)	1.5	48.0	3
1G6*(J)			
1H4* (H)	2.0	66.5	3
1H5*(H)	1.5	72.0	3
1H5* (D10)			
1H6*(H)	2.0	65.0	3
1H6*(D10-I)			
1J5(H)	2.0	73.0	3
1J6* (h)	2.0	52.0	3
1J6 (J)			
1LA4 (K)	1.5	72.0	3
1LA6 (K)	1.5	85.0	3
1LB4	1.5	85.0	3
1LC5 (K)	1.5	57	3-TC
1LC6 (K)	1.5	85	3
1LD5 (D10)			
1LEe(K)	1.5	62	3

Tube Type	FVS	QS	Button
1LH4 (K)	1.5	72.0	3
1LH4 (DIO)			
1LN <del>B</del> (K)	1.5	57.0	3-TC
1N5* (H)	1.5	63.5	3
1N6* (H)	1.5	67.0	3
1P5*(H)	1.5	65.0	3
1Q5*(H)	1.5	46.0	3
1R5 (L)	1.5	60.0	3
1S4 (L)	1.5	60.0	3
1S5 <del>(DIO)</del> I			
1S5 (G)	1.5	62.0	3
1S5 (DIO)			
1T4 (L)	1.5	63.0	3
1T5* (H)	1.5	60.0	3
1V	6.3	29.0	1
2A3	2.5	40.0	3
2A5	2.5	45.0	5
2A6	2.5	44.0	5
2A6* <del>(DIO)</del>			
2A6 * (H)	2.5	70.0	2
2A6*(DIP)-J			
2A7	2.5	43.0	5
2B6	2.5	59.5	5
2B6 (J)			
2B7	2.5	65.0	5
2B7 (DI <del>9</del> -I)			
2F5 (N)			
2S	2.5	83.0	5
2S (J)			
2W3*(P)	2.5	72.0	3
2X3* (H)	2.5	75.0	2&3
2Y4	2.5	30.0	5
2Y4(J)			
2Z2	2.5	75.0	3
3A8* (H)	2.5	68.0	3
3A8*(H)			
3C5 (R)	2.5	60.9	3
3Q5 (R)	2.5	50.0	3
4A6 (R)	2.0	56.0	3
4A6*(J)			
5T4*(P)	5.0	35.5	3
5T4* (J)			
5U4*(P)	5.0	42.0	3
5U4* (J)			
5V4*(P)	5.0	26.0	3
5V4*(P)			
5W4*(P)	5.0	52.5	3
5W4*(J)			
5X3* <del>(P)</del>	5.0	50.0	3
5X3(J)			
5X4*(T)	5.0	41.0	3
5X4*(J)			
5Y3*(P)	5.0	51.0	3
5Y3*(J)			
5Y4*(T)	5.0	57.0	3
5Y4*(J)			
5Z3	5.0	42.0	3
5Z3*(J)			
5Z4*(P)	5.0	31.0	3

5Z4*(J)				
6Z3	6.3		40.5	3
6A4	6.3		57.0	3
6A5*(T)	3.3		69.0	3
6A6	0.3		27.0	7
6A7	6.3		44.0	5
6A7M*(H)	0.3		45.0	2
6A8 (H)	6.3		43.5	2
6AB5(N)				
6AB6*(H)	6.3		68.0	2
6AC5*(H)	6.3		48.0	2
6AC6*(H)	6.3		50.0	2
6AD5*(H)	6.3		359.0	2
6AD6(N)				
6AD7*(N)				
6AE5*(H)	6.3		55.0	2
6AE6*(H)	6.3		51.0	2
6AE7*(J)				
6AE7*(H)	6.3		40	9
6AF5*(H)	6.3		35.0	2
6AF6*(H)				
6AG7*(H)	6.3		15.0	6
6AL6*	6.3		30.0	2
6AL7*(H)				
6B4*(H)	6.3		41.9	3
6B5*	6.3		62.5	3,&5
6B6	6.3		52.0	5&6
6B6 (J)				
6B6*(H)	6.3		52.0	2&7
6B6*(DIO)				
6B7	6.3		57.5	5
6B7*(DIO)				
6B8*(H)	6.3		60.0	2
6B8*(DIO I)				
6C5*(H)	6.3		48.9	2
6C6	6.3		46.5	5
6C7	6.3		44.5	5
6C7*(DIO)				
6C8*(H)	6.3		42.0	2
6C8*(J)				
6D5*(H)	6.3		46.0	2
6D6	6.3		47.0	5
6D7	6.3		42.0	5
6D8*(H)	6.3		53.0	2
6E5(N)				
6E5	6.3		35.9	7
6E6(N)				
6E7				
6F5*(H)3	6.3	40.0		2
6F6 *(H)	6.3		46.0	2
6F7	6.3		49.0	5
6F7(J)				
6F7M*(H)	6.3		58.0	2
6F7M*(J)				
6F8*(H)	6.3		26.0	2&7.
6F8*(J)				
6G6*(H)	6.3		55.9	2
6G7S	6.3		22.0	1&6
6G7S (J)				

TUBE TYPE      FVS      QS      BUTTON

TUBE TYPE	FVS	QS	BUTTON
6G7S(J)			
6H4*(H)	6.3	50.0	2
6H6*(H)	6.3	50.0	2&7
6H6*(DIO)KJ			
6H7M*(H)	6.3	46.0	2
6H7M*(J)			
6H7S(*)	6.3	45.0	5
6H7S*(J)			
6H5*(H)	6.3	40.0	2
6J7*(H)	6.3	46.0	2
6J8*(H)	6.3	33.0	2
6J8*(J)			
6K5*(H)	6.3	35.0	2
6K6*(H)	6.3	56.0	2
6K7*(H)	6.3	47.5	2
6K8*(H)	6.3	27.0	2
6K8*(J)			
6L5*(H)	6.3	52.0	2
6L6*(H)	6.3	35.0	2
6L7*(H)	6.3	35.0	2
6N5*(N)	indicator tube		
6N6*(H)	6.3	66.0	2
6N7*(H)	6.3	29.0	2
6N7*(H)			
6P5*(H)	6.3	52.0	2
6P7*(U)	6.3	51.0	1
6P7*(J)			
6Q6*(H)	6.3	47.0	2
6Q6*(DIO)(J)			
6Q7*(H)	6.3	40.0	2
6Q7*(DIO)(J)			
6R6*(H)	6.3	50.0	2
6R7*(H)	6.3	50.0	2
6R7*(DIO)-(J)			
6S6*(N)			
6S7*(H)	6.3	50.0	2
6SA7*(H)	6.3	35.0	5
6SC7*(V)	6.3	40.0	5
6AC7*(V)			
6SF5*(V)	6.3	40.0	2
6SJ7*(H)	6.3	43.0	6
6SK7*(H)	6.3	44.0	6
6SQ7*(V)	6.3	42.0	5
6SQ7*(DIO-I)			
6SR7*(V)	6.3	50	1
6SR7*(DIO-Q)			
6T5(N)			
6T7*(H)	6.3	38.0	2
6T7*(DIO-I)			
6U5(N)			
6U6*(H)	6.3	35	2
6U7*(H)	6.3	50.0	2
6V6*(H)	6.3	40.0	2
6V7*(H)DIO			
6W5*(H)	6.3	23.0	2
6W6*(H)	6.3	26.0	2
6W7*(H)	6.3	43.0	2
6X5*(H)	6.3	24.0	2

TUBE TYPE	FVS	QS	BUTTON	TUBE TYPE	FVS	QS	BUTTON
6X5*(J)				12A7*(J)			
6X6*(N)				12A8*(H)	12.6	40.0	2
6Y5	6.3	21.5	6	12B7 (K)	12.6	43.0	5
6Y6(J)				12B8*(N)			
6Y5V(J)	6.3	29.0	6	12B8 (J)			
6Y6*4H)	6.3	24.0	2	12C8*(H)	12.y	60.0	2
				12C8*(DIO)(J)			
6Y7*(H)	6.3	39.0	2	12E5*(H)	12.6	48.0	2
6Y7*(J)	6.3	49	3	12F5 *(H)	12.6	36.0	2
6Z4*(	6.3	23.5	5	12J5 (H)	12.6	40.0	2
6Z4(J)				12J7*(H)	12.6	47.0	2
6Z5* (F)	12.6	22.5	6	12K7*(H)	12.6	50.0	2
6Z5(J)				12K8*(H)	12.6	30.0	2
6ZY5*(H)	6.3	36.0	2	12K8*(J)			
6ZY5*(J)				12Q7(H)	12.6	45.0	2
6Z6*(H)	6.3	23.5	2&7	12Q7(DIP)(I)			
6Z6*(J)				12SA7*(H)	12.6	30	5
6Z7* (H)	6.3	32.0	2	12SC7*(V)	12.6	32.0	5
6Z7*4J)				12SC7*(J)			
7A4(K)	6.3	37.0	5	12SF5	12.6	35.0	2
7A5 (K)	6.3	20.0	5	12SJ7*(H)	12.6	40.0	6
7A6 (K)	6.3	42.0	2&5	12SK7*(H)	12.6	42.0	6
7A6 (J)				62SQ7*(	12.6	43.0	5&6
7A7(K)	6.3	44.0	5	12SR7*	12.6	40.0	1
7A8 (K)	6.3	52.0	5	12Z3	12.6	25.0	1
7B4 (K)	6.3	37.0	5	12Z5 (D)	12.6	15.0	1&6
7B5(K)	6.3	43.0	5	12Z5 (J)			
7B6 (K-E85)	6.3	37.0	5&7	14	14.0	51.5	5
7B6(DI9)(I)				14A4 (K)	12.6	37	5
7B7(K)	6.3	50.0	5	14A5 (K)	12.6	20	5
7B8 (K)	6.3	37.0	5	14A7	12.6	44	5
7C5 (K)	6.3	41.p	5	14B6(85)	12.y	37	5&7
7C6(K-E85)	6.3	50.0	5&7	14B6(DI9)			
7C6(BI9)(I)				14B8 (K)	12.6	37	5
7C7 (K)	6.3	45.0	5	14C5 (K)	12.6	41	5
7E6(K-E85)	6.3	39.0	5&7	14C7 (K)	12.6	45	5
7E6 (J)				14E6(DIO) J			
7E7(K)	7.5	45.0	5	14E6(E)(K)	12.6	39	5&7
7E7(DIO)				14F (J)			
7F7 (K)	6.3	22.0	2&5	14F7 (K)	12.6	22.6	2&5
7F7 (J)				14H7	12.6	27	5
7F7 (K)	6.3	22	2&5	14J7 (K)	12.6	30	5
7H7*1A)	1.5	10	3	14N7 (J)			
7N7 (K)	6.3	27.0	5	14Q7 (J)			
7J7 (K)	7.5	30.0	5	14Q7	12.6	27	5
7L7 (K)	6.3	25	5	14Y4(J)			
7N7 (J)				15	2.0	85.0	5
7N7	6.3	22	2&5	17	14.0	55.0	5
7Q7 (K)	6.3	27.0	5	18	2.0	46.0	3
7Y4 (K)	6.3	31.0	5	19(J)			
7Y4 (J)				20	3.3	89.5	3
10	7.5	73.0	3	22	3.3	109.0	3
10S	7.5	71.0	3	22S	14.0	94	3
12A	5.0	53.0	3	24*H	2.5	57.5	2
12A5 (Q)	12.6	54.0	6	24A	2.5	55.0	5
12A6	12.6	60.0	2	25A6*(H)	25.0	54.0	2
12A7	12.6	21.5	5&7	25A7*(H)	25.0	54.0	2
				25A7*(J)			



TUBE TYPE	FVS	QS	BUTTON	TUBE TYPE	FVS	QS	BUTTON
25AC5*(H)	25.0	42.0	2	42	6.3	46.5	5
25B5	25.0	51.0	3&5	43	25.0	33.0	5
25B6*(H)	25.0	23.0	2	43*(H)	25.0	32.0	5
25B8*(N)				45	2.5	55.0	3
25"8*(J)				45Z5*(N)			
25C6*(H)	25.0	22.0	2	46	2.5	51.5	3
25D8*(N)				47	2.5	52.0	3
25D8*(DIO)(N)				48	30.0	28.0	5
25L6*(H)	25.0	15.0	2	48S	14.0	86.5	3
25N6*(H)	25.0	51.0	2	49	2.0	64.0	3
25X6*(H)	25.0	20.0	2&7	50	7.5	60.0	3
25Y4 (H)	25.0	13.0	2	50A5 (J)(N)			
25Y5	25.0	28.0	1&6	5076*(N)			
25Y5 (J)	25Y5 (J)		2	50L6*Z:X	30	20	2
25Z3	25.0	9.0	2	50Y6*(N)			
25Z4*(H)	25.0	13.0	2	50E6*(N)			
25Z5	25.0	9.0	1&6	50Z7*(N)			
25Z5(X)				51*(H)	2.5	54.0	2
25Z5*(H)	25.0	6.5	2&7	52	6.3	54.0	2
25Z5*(Y)				53	2.5	30.5	7
25Z6*(H)	23.0	13.0	2&7	53 (J)			
25Z6*(J)				55	2.5	64.5	5
26	1.5	67.0	3	55*(DIO)(I)			
26(S)	14.0	86.0	3	56	2.5	64.0	5
27	2.5	57.0	5	56*(B)	2.5	59.0	2
27*(H)	2.5	59.0	2	57	2.5	45.0	5
29	2.5	48.0	5	57*(E)	2.5	49.0	2
30	2.0	87.0	3	58	2.5	40.0	5
30(S)	14.0	I.U.P	3	58*(H)	2.5	57.5	2
30X	W.F	69.5	3	59	2.5	70.0	5
31	2.0	69.0	3	59*B	2.5	50.0	3
32	2.0	68.0	3	59	6.3	50.5	5
32L7*(N)				70	6.3	79.0	5
32#7*(J)				70A7(N)			
32(S)	14.0	87.0	3	70L7(N)			
33	2.0	58.0	3	71A	5.0	57.0	3
34	2.0	70.0	3	75	6.3	57.0	5
34;*(H)	2.0	72.0	3	75(DIO-1)			
35	2.0	53.0	5	75*(H)	6.3	40.0	2
35A5(K)	35.0	27.0	5	75*(DIO-1)			
35L6*(H)	35.0	25.0	2	76	6.3	46.0	5
35Y4(N)				77	6.3	43.5	5
35Z4 (K)	35.0	19.0	5	77*(H)			
35Z4*(H)	35.0	20.0	2	77M*(H)	6.3	47.0	2
35(Z5)	35.0	20.0	2	77HG(N)			
35Z6*(N)				78	6.3	49.0	5
35Z6*(J)				78*(H)	6.3	53.0	2
36	6.3	44.0	5	79	6.3	28.0	6
37	6.3	50.0	5	79*(J)			
38	6.3	57.0	5	80	5.0	52.0	3
39	6.3	52.0	5	80(Y)			
40	5.0	71.5	3	80*(P)	5.0	54.0	3
40(S)	14.0	82.0	3	80*(B)			
40Z5*(N)				81	7.5	85.0	3
41	6.3	44.5	5				
41*(M)(H)	6.3	44.5	2				



**[www.StevenJohnson.com](http://www.StevenJohnson.com)**

**Antique Technolgy, Tube Radios and Test Equipment  
Vintage Schematics, and Publications**

**Steve's Antique Technology**