

OPERATING INSTRUCTIONS
AND
ORDERING INFORMATION

FOR THE

MODEL CA-4 ADAPTER

HICKOK

INSTRUCTIONS FOR USING THE MODEL CA-4 COMPACTRON ADAPTER
WITH A "CARDMATIC" TUBE TESTER

The Hickok Model CA-4 Compactron Adapter is used in conjunction with Hickok CARDMATIC and Roll-Chart tube testers to test Compactrons, Novars, 5 and 7-pin Nuvistors, and 10-pin header tubes.

The CA-4 Adapter consists of:

- a) Eight (8) rotary switches which are used to select the pins of each individual element of the tube to be tested.
- b) Five (5) tube sockets.
- c) Three (3) jacks labeled "G", "P", and "K" which are used for connection to the tube top cap.
- d) A test plug which is connected to the CA-4 by a cable. This test plug is inserted into the octal socket of the tube tester that is to be used with the CA-4. Table No. 1 lists the pin numbers of the test plug and the associated tube element switch.

The test data cards of the tube tester will have the normal information with the addition of an eight digit number in the lower right hand corner. The eight digit number is given in two series of four (4) digits. The first series pertains to the top row of four switches on the CA-4 (FILAMENT, FILAMENT, GRID A, and GRID B). The second series pertains to the lower row of four switches (PLATE, SCREEN, CATHODE, and SUPPRESSOR). All switch settings should be set from left to right according to the sequence given on the test card.

CAUTION

Before placing the test card into a CARDMATIC Tube Tester, set all eight of the tube element switches to the positions specified on the data card. This is important. Failure to observe this caution may short the tube tester power supplies. Always re-set the CA-4 selectors with no test card in the CARDMATIC switch.

The tube element switch settings on the adapter are connected in parallel with the pins of each tube socket mounted on the CA-4. Table No. 2 lists the switch and the associated pin number of the tube sockets.

The three jacks marked "G", "P", and "K" located on the left side of the adapter are internally connected to their respective element switch (grid, plate, and cathode). They are used for cap connection (test lead supplied). Test cards for CARDMATIC tube testers marked "G" "P" or "K" immediately after the eight digit number indicate that the top cap of the tube under test is to be connected to that respective jack. Disregard the cap connector that is attached to the panel of the CARDMATIC tester when using the CA-4.

OCTAL PLUG PIN NUMBER	TUBE ELEMENT SWITCH
1	FILAMENT
2	FILAMENT
3	GRID A
4	GRID B
5	PLATE
6	SCREEN
7	CATHODE
8	SUPPRESSOR

Table No. 1

SWITCH SETTINGS	PIN NUMBERS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
B	11
C	12
D	No Connection
0	No Connection

Table No. 2

INSTRUCTIONS FOR USING THE MODEL CA-4 COMPACTRON ADAPTER
WITH A ROLL-CHART TUBE TESTER

The Hickok Model CA-4 Compactron Adapter is used in conjunction with Hickok CARDMATIC and Roll-Chart tube testers to test Compactrons, Novars, 5 and 7-pin Nuvistors, and 10-pin header tubes.

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- c) Three (3) jacks labeled "G", "P", and "K" which are used for connection to the tube top cap.
- d) A test plug which is connected to the CA-4 by a cable. This test plug is inserted into the octal socket of the tube tester that is to be used with the CA-4. The following table lists the pin numbers of the test plug and the associated tube element switch.

OCTAL PLUG PIN NUMBER	TUBE ELEMENT SWITCH
1	FILAMENT
2	FILAMENT
3	GRID A
4	GRID B
5	PLATE
6	SCREEN
7	CATHODE
8	SUPPRESSOR

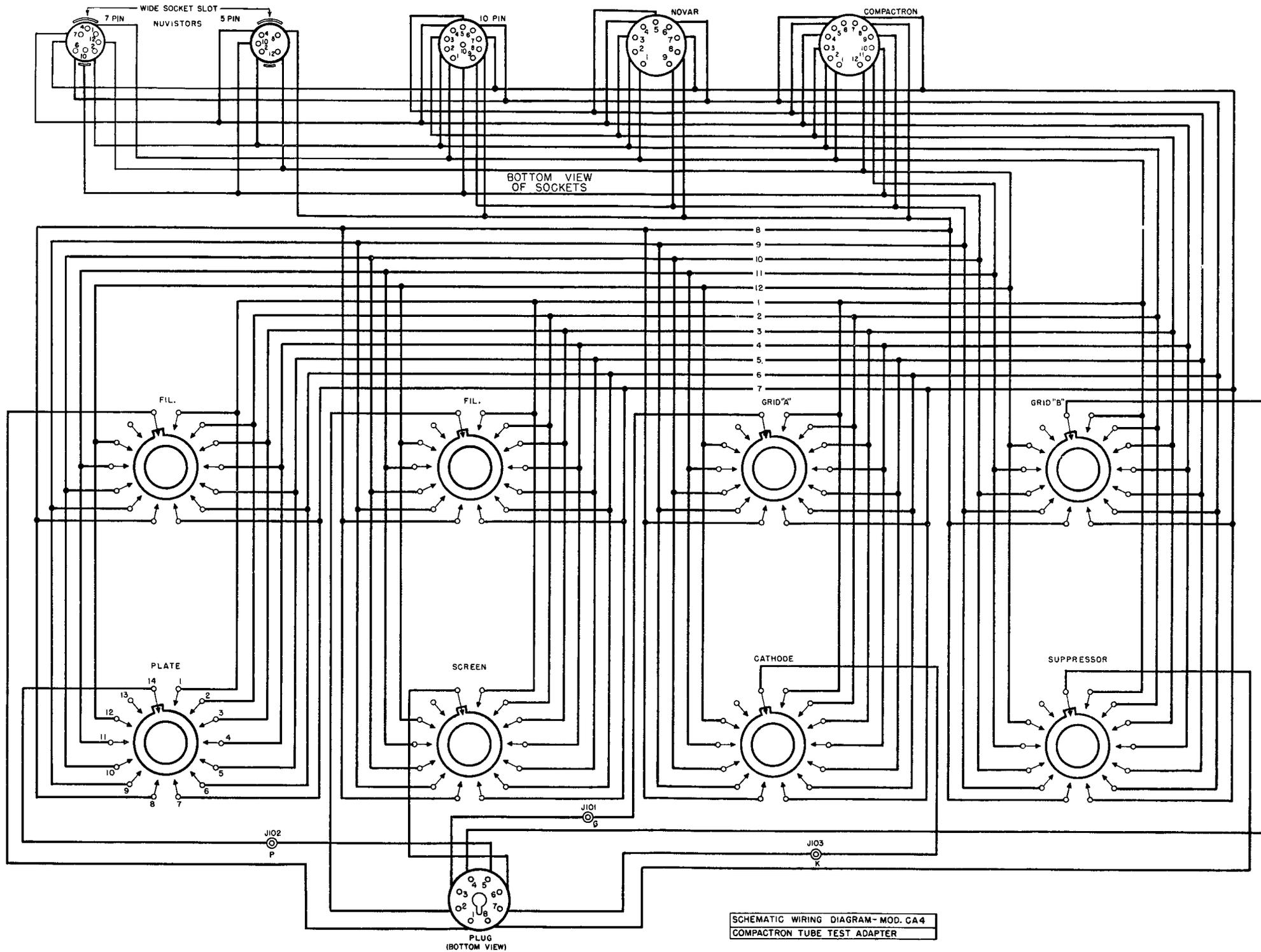
The tube element switch settings on the adapter are connected in parallel with the pins of each tube socket mounted on the CA-4. The following table lists the switch and the associated pin number of the tube sockets.

SWITCH SETTINGS	PIN NUMBERS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
B	11
C	12
D	No Connection
0	No Connection

The three jacks marked "G", "P", and "K" located on the left side of the adapter are internally connected to their respective element switch (grid, plate, and cathode). They are used for cap connections (test lead supplied). The proper top cap connection is indicated in the NOTATIONS column of the chart on the following pages.

CAUTION

When using the CA-4 with a Roll-Chart tube tester set the element switches as specified before inserting the tube to be tested.



ORDERING INFORMATION

CARDMATIC TUBE TESTER CARDS

The owner of a Model CA-4 ADAPTER has access to almost an unlimited library of test cards. New test cards are constantly being made to add to the versatility of CARDMATIC TUBE TESTERS, Models 121, 123A, 123R, and 1230. None of these testers ever need become obsolete with the advent of new tubes on the market. The owner can review lists (published regularly) to select the particular cards he needs to test the tubes with which he normally works. Industrial users need not load themselves with entertainment tube test cards; service technicians need not buy computer and other tube test cards they will never encounter in their operations. Approximately 7000 cards for use with these testers and the CA-4 Adapter are now available for selection. Complete lists are available upon request. This large inventory is maintained to assure prompt shipment of Cardmatic Test Cards orders within hours after they are received at the factory. A list of the cards for use with the adapter will be found on the back of the enclosed order forms. For your convenience in ordering and to insure this prompt attention to your order, select the order form designed for your particular tester.

ROLL CHART TUBE TESTERS

Owners of Roll Chart Tube Testers may order additional copies of any of the seven (7) OPERATING DATA for specific Tube Testers when used with the CA-4 Adapter. Frequently it is desirable to have one copy for each technician or serviceman or each work bench. These OPERATING DATA are revised semi-annually to include the new tubes as they are developed. Please order according to the Part Nos. listed below for the particular tester with which the CA-4 Adapter is to be used.

TUBE TESTER Model No.	OPERATING DATA Part No.
533A-600A-605A	3200-103
752	3200-104
800	3200-105
539B	3200-106
1575	3200-107
6000-6005	3200-108
750	3200-109

OPERATING DATA
FOR THE
MODEL CA-4 ADAPTER
WHEN USED WITH
MODEL 533A-600A-605A
ROLL CHART TUBE TESTER

Hickok

NOTE: A Star ★ after P1, P2, P3, and P5 indicates that reading is made on English Scale only.

NOTE: A # in the Bias column indicates Bias should be set at 100 and proper button pressed while Bias dial is rotated until tube strikes.

INSTRUCTIONS FOR USING THE MODEL CA-4 COMPACTRON ADAPTER
WITH A ROLL-CHART TUBE TESTER

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OCTAL PLUG PIN NUMBER	TUBE ELEMENT SWITCH
1	FILAMENT
2	FILAMENT
3	GRID A
4	GRID B
5	PLATE
6	SCREEN
7	CATHODE
8	SUPPRESSOR

The tube element switch settings on the adapter are connected in parallel with the pins of each tube socket mounted on the CA-4. The following table lists the switch and the associated pin number of the tube sockets.

SWITCH SETTINGS	PIN NUMBERS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
B	11
C	12
D	No Connection
0	No Connection

The three jacks marked "G", "P", and "K" located on the left side of the adapter are internally connected to their respective element switch (grid, plate, and cathode). They are used for cap connections (test lead supplied). The proper top cap connection is indicated in the NOTATIONS column of the chart on the following pages.

CAUTION

When using the CA-4 with a Roll-Chart tube tester set the element switches as specified before inserting the tube to be tested.

MODEL 533A - 600A - 605A TUBE TESTERS

NOTE: Set Tester Selectors to "BS-3568-7"

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	ENG.	PRESS	MUT. COND.	NOTATIONS
1AD2	1.5	1C00-0000	0	53	P5 *	----	CAP = P on adapter OK above DIODES OK
2AH2	2.5	1C00-0000	0	79	P5 *	----	CAP = P on adapter OK above DIODES OK
2AS2	2.5	1C00-0000	0	80	P5 *	----	CAP = P on adapter OK above DIODES OK
2CW4	2.0	AC40-2080	25	76	P4	2300	CAP = P on adapter OK above DIODES OK CAP = P on adapter OK above DIODES OK
2DS4	2.0	AC40-2080	24	78	P4	2500	
2DV4	2.0	AC60-1070	30	88	P4	4800	
3AT2	3.0	1C00-0000	0	87	P5 *	----	
3AW2	3.0	2C00-0000	0	90	P5	----	CAP = P on adapter OK above DIODES OK CAP = P on adapter OK above DIODES OK
4HA7	4.3	1C90-A040	23	79	P4	2700	Triode No. 1
4HA7	4.3	1CB0-2030	19	15	P4	600	Triode No. 2
4HC7	4.3	1C90-A040	13	86	P4	4000	Triode No. 1
4HC7	4.3	1CB0-2030	20	27	P4	700	Triode No. 2
5BC3	5.0	1300-9000	0	43	P3 *	----	Plate No. 1
5BC3	5.0	1300-5000	0	48	P3 *	----	Plate No. 2
5HA7	5.0	1C90-A040	23	79	P4	2700	Triode No. 1
5HA7	5.0	1CB0-2030	19	15	P4	600	Triode No. 2
5HC7	5.0	1C90-A040	13	86	P4	4000	Triode No. 1
5HC7	5.0	1CB0-2030	20	27	P4	700	Triode No. 2
6AC9	6.3	1C90-BA87	11	88	P4	5000	Pentode Sect.
6AC9	6.3	1C00-3040	0	88	P1 *	----	Diode No. 1
6AC9	6.3	1C00-2030	0	88	P1 *	----	Diode No. 2
6AC10	6.3	1C90-A040	15	86	P4	4000	Triode No. 1
6AC10	6.3	1C70-5060	15	86	P4	4000	Triode No. 2
6AC10	6.3	1CB0-2030	15	86	P4	4000	Triode No. 3
6AD10	6.3	1C30-7625	18	60	P4	3000	Pentode No. 1
6AD10	6.3	1C80-BA90	6	90	P4	5300	Pentode No. 2
6AF11	6.3	1CB0-2A90	10	90	P4	5300	Pentode Sect.
6AF11	6.3	1C60-8050	21	75	P4	2100	Triode No. 1
6AF11	6.3	1C30-4070	13	77	P4	2300	Triode No. 2
6AG11	6.3	1C50-6040	17	85	P4	3100	Triode No. 1
6AG11	6.3	1C80-7090	17	85	P4	3100	Triode No. 2
6AG11	6.3	1C00-A0B0	0	83	P1 *	----	Diode No. 1
6AG11	6.3	1C00-3020	0	83	P1 *	----	Diode No. 2
6AL11	6.3	1C80-BA90	17	90	P4	5650	Pentode No. 1
6AL11	6.3	1C30-6724	22	35	P4	790	Pentode No. 2
6AR11	6.3	1CA0-89B7	7	88	P4	4200	Pentode No. 1
6AR11	6.3	1C50-2364	7	88	P4	4200	Pentode No. 2
6AS11	6.3	1CB0-2A90	10	89	P4	5000	Pentode Sect.
6AS11	6.3	1C60-8050	15	87	P4	3500	Triode No. 1
6AS11	6.3	1C30-4070	18	83	P4	3400	Triode No. 2
6AV11	6.3	1C90-A040	21	80	P4	2600	Triode No. 1
6AV11	6.3	1C70-5060	21	80	P4	2600	Triode No. 2
6AV11	6.3	1CB0-2030	21	80	P4	2600	Triode No. 3
6AX3	6.3	1C00-4070	0	35	P3 *	----	Triode No. 1 Triode No. 2 Diode No. 1 Diode No. 2
6AY3	6.3	4500-2090	0	56	P3 *	----	
6AY11	6.3	1C80-7090	18	20	P4	640	
6AY11	6.3	1C50-6040	18	20	P4	640	
6AY11	6.3	1C00-A0B0	0	77	P1 *	----	
6AY11	6.3	1C00-3020	0	77	P1 *	----	

MODEL 533A - 600A - 605A TUBE TESTERS

NOTE: Set Tester Selectors to "BS-3568-7"

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	ENG.	PRESS	MUT. COND.	NOTATIONS
6B10	6.3	1C50-6070	25	81	P4	2500	Triode No. 1
6B10	6.3	1C30-4020	25	81	P4	2500	Triode No. 2
6B10	6.3	1C00-A090	0	80	P1 *	----	Diode No. 1
6B10	6.3	1C00-8090	0	80	P1 *	----	Diode No. 2
6BA3	6.3	4500-2090	0	50	P3 *	----	
6BA11	6.3	1C40-6387	10	10	P4	650	Pentode No. 1
6BA11	6.3	1C40-2385	10	10	P4	650	Pentode No. 2
6BA11	6.3	1C90-B0A0	30	57	P4	1450	Triode Sect.
6BD11	6.3	1CB0-2A90	11	88	P4	5000	Pentode Sect.
6BD11	6.3	1C60-8050	16	80	P4	2750	Triode No. 1
6BD11	6.3	1C30-4070	12	84	P4	3500	Triode No. 2
6BE3	6.3	1C00-A070	0	60	P3 *	----	
6BF11	6.3	1C80-BA90	27	91	P4	6100	Pentode No. 1
6BF11	6.3	1C30-7625	16	27	P4	630	Pentode No. 2
6BH3	6.3	4500-2090	0	56	P3 *	----	
6BH11	6.3	1C80-A9B0	10	87	P4	4000	Pentode Sect.
6BH11	6.3	1C60-7050	19	91	P4	6500	Triode No. 1
6BH11	6.3	1C40-3020	19	91	P4	6500	Triode No. 2
6BJ3	6.3	1C00-A070	0	60	P3 *	----	
6BK11	6.3	1C90-A040	22	27	P4	700	Triode No. 1
6BK11	6.3	1C70-5060	20	7	P4	550	Triode No. 2
6BK11	6.3	1C80-2030	20	7	P4	550	Triode No. 3
6BN11	6.3	1C70-B98A	10	88	P4	4400	Pentode No. 1
6BN11	6.3	1C30-5426	10	88	P4	4400	Pentode No. 2
6BS3	6.3	4500-2090	0	60	P3 *	----	
6C9	6.3	4570-9860	20	85	P4	3700	Tetrode No. 1
6C9	6.3	4510-32A0	20	85	P4	3700	Tetrode No. 2
6C10	6.3	1C90-A040	12	58	P4	1250	Triode No. 1
6C10	6.3	1C70-5060	12	58	P4	1250	Triode No. 2
6C10	6.3	1CB0-2030	12	58	P4	1250	Triode No. 3
6CD3	6.3	1C00-A070	0	89	P1 *	----	
6CE3	6.3	1C00-4070	0	89	P1 *	----	
6CG3	6.3	1C00-4070	0	89	P1 *	----	
6CJ3	6.3	4500-2090	0	89	P1 *	----	
6CW4	6.3	AC40-2080	25	76	P4	2300	
6D10	6.3	1C90-A040	19	80	P4	2800	Triode No. 1
6D10	6.3	1C70-5060	19	80	P4	2800	Triode No. 2
6D10	6.3	1CB0-2030	19	80	P4	2800	Triode No. 3
6DS4	6.3	AC40-2080	24	78	P4	2500	
6DV4	6.3	AC60-1070	30	88	P4	4800	
6DW4	6.3	4500-2090	0	59	P3 *	----	
6FJ7	6.3	1CA0-B090	24	73	P4	2500	Triode No. 1
6FJ7	6.3	1C30-5070	18	92	P4	7700	Triode No. 2
6FM7	6.3	1CA0-B090	19	53	P4	1100	Triode No. 1
6FM7	6.3	1C80-5070	63	88	P4	5000	Triode No. 2
6FY7	6.3	1CA0-B090	22	24	P4	675	Triode No. 1
6FY7	6.3	1C30-5070	53	92	P4	6500	Triode No. 2
6G11	6.3	1C80-BA90	33	89	P4	4400	Pentode No. 1
6G11	6.3	1C30-6724	15	19	P4	650	Pentode No. 2
6GA7	6.3	1C40-7350	55	89	P4	4600	Pentode Sect.
6GA7	6.3	1C00-B080	0	54	P3 *	----	Diode Sect.
6GE5	6.3	1CB0-72A0	47	90	P4	5750	
6GF5	6.3	1CB0-72A0	55	89	P4	4800	

MODEL 533A - 600A - 605A TUBE TESTERS

NOTE: Set Tester Selectors to "BS-3568-7"

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	ENG	PRESS	MUT COND	NOTATIONS
6GF7	6.3	4590-8010	20	39	P4	800	Triode No. 1
6GF7	6.3	4520-6030	59	90	P4	5600	Triode No. 2
6GJ5	6.3	4560-0730	32	92	--	7900	CAP = P on adapter Hold down P1 and press P4
6GT5	6.3	4560-9730	32	92	--	7900	Hold down P1 and Press P4
6GV5	6.3	1C90-0BA0	44	92	P4	6500	CAP = P on adapter
6GY5	6.3	1C50-07A0	34	94	--	11400	CAP = P on adapter Hold down P1 and Press P4
6HB5	6.3	1CB0-72A0	62	89	P4	5600	
6HD5	6.3	1CB0-79A0	58	89	P4	5400	
6HE5	6.3	1C90-6AB0	28	89	P4	5600	
6HE7	6.3	1C90-5B80	59	91	P4	6500	Pentode Sect.
6HE7	6.3	1C00-2040	0	89	P1 *	----	Diode Sect.
6HF5	6.3	1C90-0BA0	64	92	P4	8300	CAP = P on adapter
6HJ5	6.3	1CB0-792A	55	92	P4	8000	
6J9	6.3	4570-80A0	20	81	P4	3000	Triode No. 1
6J9	6.3	4590-60A0	20	81	P4	3000	Triode No. 2
6J9	6.3	4520-1030	20	81	P4	3000	Triode No. 3
6J10	6.3	1C70-4685	6	27	--	700	Pent. No. 1. Hold down P1 and press P4
6J10	6.3	1CB0-9230	19	89	P4	5700	Pent. No. 2
6J11	6.3	1CB0-978A	11	87	P4	4200	Pentode No. 1
6J11	6.3	1C50-3264	11	87	P4	4200	Pentode No. 2
6JB6	6.3	4520-0138	32	92	--	7900	CAP = P on adapter Hold down P1 and Press P4
6JE6	6.3	4520-0738	46	91	--	7000	CAP = P on adapter Hold down P1 and Press P4
6JF6	6.3	4520-0738	33	94	--	9100	CAP = P on adapter Hold down P1 and Press P4
6JG6	6.3	4520-9736	33	P4	--	9100	Hold down P1 and Press P4
6JM6	6.3	1C50-032A	52	91	P4	6000	CAP = P on adapter
6JN6	6.3	1CB0-7324	52	91	P4	6000	
6JS6A	6.3	1C50-0324	70	90	P4	5500	CAP = P on adapter
6JT6	6.3	4520-9736	59	89	P4	5500	
6JZ8	6.3	1C70-4890	32	90	P4	5300	Pentode Sect.
6JZ8	6.3	1CA0-20B0	31	66	P4	1550	Triode Sect.
6K11	6.3	1C90-A048	24	75	P4	2200	Triode No. 1
6K11	6.3	1C70-5068	12	58	P4	1250	Triode No. 2
6K11	6.3	1CB0-2038	12	58	P4	1250	Triode No. 3
6KD6	6.3	1C50-0324	65	94	P4	10000	CAP = P on adapter
6KM6	6.3	4520-0738	65	91	P4	6250	CAP = P on adapter
6KN6	6.3	1C50-0324	55	92	P4	6500	CAP = P on adapter
6KY8	6.3	4520-6730	41	90	P4	5500	Pentode Sect.
6KY8	6.3	4590-8010	23	15	P4	600	Triode Sect.
6LR8	6.3	4520-6730	40	91	P4	6000	Pentode Sect.
6LR8	6.3	4590-8010	26	48	P4	1000	Triode Sect.
6LU8	6.3	1C60-4890	40	91	P4	6000	Pentode Sect.
6LU8	6.3	1CA0-20B0	26	48	P4	1000	Triode Sect.
6M11	6.3	1C20-B3A0	5	86	P4	3950	Pentode Sect.
6M11	6.3	1C80-7090	22	82	P4	2900	Triode No. 1
6M11	6.3	1C50-6040	22	82	P4	2900	Triode No. 2
6MD8	6.3	4560-3070	30	87	P4	4200	Triode No. 1
6MD8	6.3	4580-2070	30	87	P4	4200	Triode No. 2
6MD8	6.3	4590-1070	30	87	P4	4200	Triode No. 3

MODEL 533A - 600A - 605A TUBE TESTERS

NOTE: Set Tester Selectors to "BS-3568-7"

MODEL 533A - 600A - 605A TUBE TESTERS

NOTE: Set Tester Selectors to "BS-3568-7"

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	ENG.	PRESS	MUT. COND.	NOTATIONS
6Q11	6.3	1C90-A048	24	75	P4	2200	Triode No. 1
6Q11	6.3	1C70-5068	12	58	P4	1250	Triode No. 2
6Q11	6.3	1CB0-2038	12	58	P4	1250	Triode No. 3
6T9	6.3	1C80-BA90	20	89	P4	5500	Pentode Sect.
6T9	6.3	1C40-2050	21	16	P4	800	Triode Sect.
6T10	6.3	1C80-BA90	19	90	P4	5750	Pentode No. 1
6T10	6.3	1C30-7625	15	28	P4	700	Pentode No. 2
6U10	6.3	1C90-A040	28	74	P4	2000	Triode No. 1
6U10	6.3	1C70-5060	21	8	P4	575	Triode No. 2
6U10	6.3	1CB0-2030	28	74	P4	2000	Triode No. 3
6Y10	6.3	1C80-BA90	17	86	P4	4000	Pentode No. 1
6Y10	6.3	1C30-7625	14	67	P4	1600	Pentode No. 2
6Z10	6.3	1C70-4685	6	27	--	700	Pentode No. 1. Hold down P1 and press P4
6Z10	6.3	1CB0-9230	19	89	P4	5700	Pentode No. 2
8AC9	7.5	1C90-BA87	11	88	P4	5000	Pentode Sect.
8AC9	7.5	1C00-3040	0	88	P1 *	----	Diode No. 1
8AC9	7.5	1C00-2030	0	88	P1 *	----	Diode No. 2
8AR11	7.5	1CA0-89B7	7	88	P4	4200	Pentode No. 1
8AR11	7.5	1C50-2364	7	88	P4	4200	Pentode No. 2
8B10	7.5	1C50-6070	30	78	P4	2300	Triode No. 1) Make "Line
8B10	7.5	1C30-4020	30	78	P4	2300	Triode No. 2) Test" at 1750
8B10	7.5	1C00-A090	0	82	P1 *	----	Diode No. 1) on 3000
8B10	7.5	1C00-8090	0	82	P1 *	----	Diode No. 2) scale.
8BA11	7.5	1C40-6387	10	10	P4	650	Pentode No. 1
8BA11	7.5	1C40-2385	10	10	P4	650	Pentode No. 2
8BA11	7.5	1C90-B0A0	30	57	P4	1450	Triode Sect.
8BM11	7.5	1CB0-79A8	10	88	P4	4200	Pentode No. 1
8BM11	7.5	1C60-2354	12	87	P4	4000	Pentode No. 2
8BQ11	7.5	1CA0-89B7	5	88	P4	4500	Pentode No. 1
8BQ11	7.5	1C50-2364	5	91	P4	6000	Pentode No. 2
8BU11	7.5	1C80-A9B0	10	87	P4	4000	Pentode Sect.
8BU11	7.5	1C60-7050	18	91	P4	6000	Triode No. 1
8BU11	7.5	1C40-3020	18	91	P4	6000	Triode No. 2
9BJ11	10.0	1CB0-79A8	10	69	P4	1700	Pentode No. 1
9BJ11	10.0	1C60-2354	15	85	P4	3500	Pentode No. 2
10AL11	10.0	1C80-BA90	17	90	P4	5650	Pentode No. 1
10AL11	10.0	1C30-6724	22	35	P4	790	Pentode No. 2
10GF7	10.0	4590-8010	20	39	P4	800	Triode No. 1
10GF7	10.0	4520-6030	59	90	P4	5600	Triode No. 2
10J10	10.0	1C70-4685	6	27	--	700	Pent. No. 1. Hold down P1 and press P4
10J10	10.0	1CB0-9230	19	89	P4	5700	Pentode No. 2
11AR11	12.6	1CA0-89B7	7	88	P4	4200	Pent. No. 1) Make "Line
11AR11	12.6	1C50-2364	7	88	P4	4200	Pent. No. 2) Test" at 1350 on 3000 scale.
11BQ11	12.6	1CA0-89B7	10	85	P4	3500	Pent. No. 1. Make "Line Test" at 1300 on 3000 scale.
11BQ11	12.6	1C50-2364	10	87	P4	4000	Pentode No. 2
11BT11	10.0	1CB0-2A86	10	92	P4	8500	Pentode Sect.
11BT11	10.0	1C50-7060	17	82	P4	3300	Triode No. 1
11BT11	10.0	1C30-9040	24	82	P4	3200	Triode No. 2
11FY7	10.0	1CA0-B090	22	24	P4	675	Triode No. 1
11FY7	10.0	1C30-5070	53	92	P4	6500	Triode No. 2

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	ENG	PRESS	MUT. COND.	NOTATIONS
12AE10	12.6	1C80-BA90	25	85	P4	3000	Pentode No. 1
12AE10	12.6	1C30-7625	23	40	P4	1000	Pentode No. 2
12AL11	12.6	1C80-BA90	17	90	P4	5650	Pentode No. 1
12AL11	12.6	1C30-6724	22	35	P4	790	Pentode No. 2
12AX3	12.6	1C00-4070	0	35	P3 *	----	
12AY3	12.6	4500-2090	0	56	P3 *	----	
12BE3	12.6	1C00-A070	0	60	P3 *	----	
12BF11	12.6	1C80-BA90	27	91	P4	6100	Pentode No. 1
12BF11	12.6	1C30-7625	16	27	P4	630	Pentode No. 2
12BS3	12.6	4500-2090	0	60	P3 *	----	
12BT3	12.6	1C00-4070	0	60	P3 *	----	
12G11	12.6	1C80-BA90	33	89	P4	4400	Pentode No. 1
12G11	12.6	1C30-6724	15	19	P4	650	Pentode No. 2
12GE5	12.6	1CB0-72A0	47	90	P4	5750	
12GJ5	12.6	4560-0730	32	92	--	7900	CAP = P on adapter Hold down P1 and press P4
12GT5	12.6	4560-9730	32	92	--	7900	Hold down P1 and press P4
12GV5	12.6	1C90-0BA0	44	92	P4	6500	CAP = P on adapter
12HE7	12.6	1C90-5B80	59	91	P4	6500	Pentode Sect.
12HE7	12.6	1C00-2040	0	89	P1 *	----	Diode Sect.
12JB6	12.6	4520-0138	32	92	--	7900	CAP = P on adapter Hold down P1 and press P4
12JN6	12.6	1CB0-7324	52	91	P4	6000	
12JT6	12.6	4520-9736	59	89	P4	5500	
12T10	12.6	1C80-BA90	19	90	P4	5750	Pentode No. 1
12T10	12.6	1C30-7625	15	28	P4	700	Pentode No. 2
13CW4	12.6	AC40-2080	25	76	P4	2300	
13FM7	12.6	1CA0-B090	19	53	P4	1100	Triode No. 1
13FM7	12.6	1C80-5070	63	88	P4	5000	Triode No. 2
13GF7	12.6	4590-8010	20	39	P4	800	Triode No. 1
13GF7	12.6	4520-6030	59	90	P4	5600	Triode No. 2
13J10	12.6	1C70-4685	6	27	--	700	Pent. No. 1. Hold down P1 and press P4
13J10	12.6	1CB0-9230	19	89	P4	5700	Pent. No. 2
13V10	12.6	1C80-BA90	24	89	P4	5000	Pentode No. 1
13V10	12.6	1C30-7625	25	0	P4	500	Pentode No. 2
13Z10	12.6	1C70-4685	6	27	--	700	Pent. No. 1. Hold down P1 and press P4
13Z10	12.6	1CB0-9230	19	89	P4	5700	Pentode No. 2
14BL11	12.6	1CB0-2A80	13	92	P4	7500	Pentode Sect.
14BL11	12.6	1C50-7060	16	89	P4	3300	Triode No. 1
14BL11	12.6	1C30-9040	22	85	P4	3500	Triode No. 2
14BR11	12.6	1C20-B340	10	91	P4	6500	Pentode Sect.
14BR11	12.6	1C80-6050	19	84	P4	3000	Triode No. 1
14BR11	12.6	1CA0-9070	17	86	P4	3600	Triode No. 2
15AF11	12.6	1CB0-2A90	13	92	P4	7250	Pentode Sect. Make "Line Test" at 1750 on 3000 scale.
15AF11	12.6	1C60-8050	21	82	P4	2850	Triode No. 1
15AF11	12.6	1C30-4070	19	86	P4	4000	Triode No. 2
15BD11	12.6	1CB0-2A90	19	88	P4	5000	Pent. Sect. Make "Line Test" at 1650 on 3000 scale.
15BD11	12.6	1C60-8050	21	80	P4	2750	Triode No. 1
15BD11	12.6	1C30-4070	21	84	P4	3500	Triode No. 2

MODEL 533A - 600A - 605A TUBE TESTERS

NOTE: Set Tester Selectors to "BS-3568-7"

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	ENG	PRESS	MUT. COND.	NOTATIONS
15FM7	12.6	1CA0-B090	22	53	P4	1100	Triode No. 1. Make "Line Test" at 1650 on 3000 scale.
15FM7	12.6	1C80-5070	65	88	P4	5000	Triode No. 2
15FY7	12.6	1CA0-B090	22	25	P4	700	Triode No. 1. Make "Line Test" at 1750 on 3000 scale.
15FY7	12.6	1C30-5070	54	93	P4	7000	Triode No. 2
15KY8	12.6	4520-6730	42	91	P4	6500	Pent. Sect.) Make "Line
15KY8	12.6	4590-8010	20	53	P4	1100	Triode Sect.) Test" at 1750 on 3000 scale.
16GY5	20.0	1C90-0BA0	54	93	P4	8800	CAP = P on adapter. Make "Line Test" at 1450 on 3000 scale.
16KA6	20.0	1C50-03A4	55	91	P4	7000	CAP = P on adapter. Make "Line Test" at 1400 on 3000 scale.
17AB10	20.0	1C70-4685	6	27	--	700	Limiter Grid. Set "Normal Life Test" switch to "Life Test" position. Hold down P1 and press P4
17AB10	20.0	1C50-4687	13	0	--	500	Quadrature Grid. Hold down P1 and press P4
17AB10	20.0	1CB0-9230	33	89	P4	5000	Pentode No. 2.
17AX3	20.0	1C00-4070	0	30	P3 *	----	Make "Line Test" at 1400 on 3000 scale.
17AY3	20.0	4500-2090	0	50	P3 *	----	Make "Line Test" at 1400 on 3000 scale.
17BE3	20.0	1C00-A070	0	55	P3 *	----	Make "Line Test" at 1400 on 3000 scale.
17BF11	20.0	1C80-BA90	25	90	P4	6100	Pent. No. 1. Make "Line Test" at 1300 on 3000 scale.
17BF11	20.0	1C30-7625	10	40	P4	630	Pent. No. 2
17BH3	20.0	4500-2090	0	50	P3 *	----	Make "Line Test" at 1400 on 3000 scale.
17BS3	20.0	4500-2090	0	60	P3 *	----	Make "Line Test" at 1400 on 3000 scale.
17BZ3	20.0	1C00-A070	0	88	P1 *	----	Make "Line Test" at 1400 on 3000 scale.
17C9	20.0	4570-9860	18	80	P4	3000	Tetrode No. 1. Make "Line Test" at 1350 on 3000 scale.
17C9	20.0	4510-32A0	18	80	P4	3000	Tetrode No. 2
17GE5	20.0	1CB0-72A0	14	93	--	8250	Hold down P1 and press P4. Make "Line Test" at 1350 on 3000 scale.
17GJ5	20.0	4560-0730	32	92	--	7900	CAP = P on adapter. Make "Line Test" at 1300 on 3000 scale. Hold down P1 and press P4.
17GT5	20.0	4560-9730	32	92	--	7900	Make "Line Test" at 1300 on 3000 scale. Hold down P1 and press P4.
17GV5	20.0	1C90-0BA0	25	93	--	8600	CAP = P on adapter. Hold down P1 and press P4. Make "Line Test" at 1350 on 3000 scale.
17JB6	20.0	4520-0138	32	92	--	7900	CAP = P on adapter. Hold down P1 and press P4. Make "Line Test" at 1300 on 3000 scale.

MODEL 533A - 600A - 605A TUBE TESTERS

NOTE: Set Tester Selectors to "BS-3568-7"

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	ENG	PRESS	MUT. COND.	NOTATIONS
17JG6A	20.0	4520-9736	33	94	--	9100	Make "Line Test" at 1300 on 3000 scale. Hold down P1 and press P4.
17JM6	20.0	1C50-032A	52	91	P4	6000	CAP = P on adapter. Set "Normal-Life Test" switch to "Life Test" position.
17JN6	20.0	1CB0-7324	52	91	P4	6000	Set "Normal-Life Test" switch to "Life Test" position.
17JT6	20.0	4520-9736	59	89	P4	5500	Set "Normal-Life Test" switch to "Life Test" position.
17JZ8	20.0	1C70-4890	35	89	P4	5250	Pent. Sect. Make "Line Test" at 1400 on 3000 scale.
17JZ8	20.0	1CA0-20B0	31	57	P4	1300	Triode Sect.
17LD8	20.0	4520-6730	36	90	P4	4700	Pent. Sect. Make "Line Test" at 1400 on 3000 scale.
17LD8	20.0	4590-8010	32	73	P4	1300	Triode Sect.
17X10	20.0	1C70-4685	6	27	--	700	Limiter Grid. Set "Normal-Life Test" switch to "Life Test" position. Hold down P1 and press P4
17X10	20.0	1C50-4687	13	0	--	500	Quadrature Grid. Hold down P1 and press P4
17X10	20.0	1CB0-9230	33	89	P4	5000	Pentode No. 2
19Q9	20.0	4510-32A6	10	80	P4	2800	Pentode Sect.
19Q9	20.0	4580-9076	17	88	P4	5000	Triode Sect.
21GY5	20.0	1C50-07A0	34	94	--	11400	CAP = P on adapter. Hold down P1 and press P4
21HB5	20.0	1CB0-72A0	62	89	P4	5600	
21HD5	20.0	1CB0-79A0	58	89	P4	5400	
21HJ5	20.0	1CB0-792A	55	92	P4	8000	
21JV6	20.0	1CB0-732A	60	91	P4	6500	
21JZ6	20.0	1C50-032A	60	91	P4	6500	CAP = P on adapter
21KA6	20.0	1C50-03A4	57	91	P4	7000	CAP = P on adapter
21LR8	20.0	4520-6730	40	91	P4	6000	Pentode Sect.
21LR8	20.0	4590-8010	26	48	P4	1000	Triode Sect.
21LU8	20.0	1C60-4890	40	91	P4	6000	Pentode Sect.
21LU8	20.0	1CA0-20B0	26	48	P4	1000	Triode Sect.
22BH3	20.0	4500-2090	0	50	P3 *	----	Make "Line Test" at 1750 on 3000 scale.
22BW3	25.0	1C00-A070	0	55	P3 *	----	
22JF6	20.0	4520-0738	33	94	--	9100	CAP = P on adapter. Hold down P1 and press P4.
22JG6	20.0	4520-9736	33	94	--	9100	Hold down P1 and press P4
22JU6	20.0	4520-0738	55	91	P4	2700	CAP = P on adapter.
23Z9	25.0	1C80-5970	35	91	P4	5500	Pentode Sect.
23Z9	25.0	1CA0-B070	23	76	P4	2200	Triode No. 1
23Z9	25.0	1C30-2070	32	70	P4	1800	Triode No. 2
24GA7	25.0	1C40-7350	55	89	P4	4600	Pentode Sect.
24GA7	25.0	1C00-B080	0	54	P3 *	----	Diode Sect.
28HD5	25.0	1CB0-79A0	58	89	P4	5400	
30AG11	35.0	1C50-6040	15	85	P4	3100	Triode No. 1. Make "Line Test" at 1250 on 3000 scale.
30AG11	35.0	1C80-7090	15	85	P4	3100	Triode No. 2
30AG11	35.0	1C00-A0B0	0	80	P1 *	----	Diode No. 1
30AG11	35.0	1C00-3020	0	80	P1 *	----	Diode No. 2

MODEL 533A - 600A - 605A TUBE TESTERS

NOTE: Set Tester Selectors to "BS-3568-7"

TUBE TYPE	FLI	ADAPTER SELECTORS	BIAS	ENG	PRESS	MUT. COND.	NOTATIONS	
31JS6A	35.0	1C50-0324	70	90	P4	5500	CAP = P on adapter Pentode Sect. Diode Sect. Pentode Sect. Hold down P1 and press P4	
32GA7	35.0	1C40-7350	55	89	P4	4600		
32GA7	35.0	1C00-B080	0	54	P3 *	----		
33GT7	35.0	1CB0-5A80	34	92	--	7500		
33GT7	35.0	1C00-2040	0	76	P3 *	----	Diode Sect. Pentode Sect. Hold down P1 and press P4	
33GY7	35.0	1CA0-5B80	34	92	--	7500		
33GY7	35.0	1C00-2040	0	76	P3 *	----	Diode Sect.	
33JV6	35.0	1CB0-732A	60	91	P4	6500	Pent. Sect. Make "Line Test" at 1400 on 3000 scale. Diode Sect. Pentode Sect. Diode Sect. CAP = P on adapter. Make "Line Test" at 1400 on 3000 scale.	
34CD3	35.0	1C00-A070	0	89	P1 *	----		
34CE3	35.0	1C00-4070	0	89	P1 *	----		
38HE7	50.0	1C90-5B80	54	91	P4	6500		
38HE7	50.0	1C00-2040	0	87	P1 *	----		
38HK7	35.0	1C90-5B80	40	92	P4	6500		
38HK7	35.0	1C00-2040	0	89	P1 *	----		
42KN6	50.0	1C50-0324	60	92	P4	7000		
7586	6.3	AC40-2080	29	85	P4	4000		CAP = P on adapter.
7587	6.3	AC40-0280	14	82	P4	3000		
7868	6.3	4560-9730	18	89	P4	4800		
7895	6.3	AC40-2080	24	80	P4	2800		
7984	12.6	1CA0-3B90	44	90	P4	5300		
8056	6.3	AC40-2080	0	73	P1 *	----	OK above 1300 on 3000 scale. Make no Gas Test. CAP = P. SHELL = G on adapter.	
8058	6.3	AC00-0080	21	85	P4	3900		
8149	12.6	1CA0-7890	47	90	P4	5200	CAP = P on adapter	
8150	12.6	1CA0-0860	47	90	P4	5200		
8156	12.6	1CA0-3760	25	89	P4	4200		
8203	6.3	AC40-2080	30	79	P4	2600		
8393	12.6	AC40-2080	28	88	P4	4500		

OPERATING DATA
FOR THE
MODEL CA-4 ADAPTER
WHEN USED WITH
MODEL 752
ROLL CHART TUBE TESTER



∑DUAL TEST. For dual triodes make normal Leakage test first then repeat Leakage test for 2nd section with S8 pressed. Proceed with 1st section GM test. On all dual tubes, for 2nd section test press S8 with button listed in the press column.

+Verify shorts by setting filament switch to OFF position.

★Approximate starting voltage for voltage regulator tubes.

†Read 0-100 milliamperes with S9 pressed.

VR. For voltage regulator tubes the figure in the MINIMUM MUT. COND. column indicates the nominal operating voltage.

#Set BIAS to 100, press proper button, then rotate BIAS dial counterclockwise until tube strikes.

INSTRUCTIONS FOR USING THE MODEL CA-4 COMPACTRON ADAPTER

WITH A ROLL-CHART TUBE TESTER

MODEL 752 TUBE TESTER

Supplementary Data - CA-4 Adapter

The Hickok Model CA-4 Compactron Adapter is used in conjunction with Hickok CARDMATIC and Roll-Chart tube testers to test Compactrons, Novars, 5 and 7-pin Nuvistors, and 10-pin header tubes.

The CA-4 Adapter consists of:

- a) Eight (8) rotary switches which are used to select the pins of each individual element of the tube to be tested.
- b) Five (5) tube sockets.
- c) Three (3) jacks labeled "G", "P", and "K" which are used for connection to the tube top cap.
- d) A test plug which is connected to the CA-4 by a cable. This test plug is inserted into the octal socket of the tube tester that is to be used with the CA-4. The following table lists the pin numbers of the test plug and the associated tube element switch.

OCTAL PLUG PIN NUMBER	TUBE ELEMENT SWITCH
1	FILAMENT
2	FILAMENT
3	GRID A
4	GRID B
5	PLATE
6	SCREEN
7	CATHODE
8	SUPPRESSOR

The tube element switch settings on the adapter are connected in parallel with the pins of each tube socket mounted on the CA-4. The following table lists the switch and the associated pin number of the tube sockets.

SWITCH SETTINGS	PIN NUMBERS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
B	11
C	12
D	No Connection
0	No Connection

The three jacks marked "G", "P", and "K" located on the left side of the adapter are internally connected to their respective element switch (grid, plate, and cathode). They are used for cap connections (test lead supplied). The proper top cap connection is indicated in the NOTATIONS column of the chart on the following pages.

NOTE: When using CA-4 Adapter, set Tester Selectors to 1234-5678

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	MULT.	PRESS	MIN. MUT. COND.	NOTATIONS
1AD2	1.4	1C00-0000	0	53	SH	S6	400	CAP = P on Adapter
2AH2	2.5	1C00-0000	0	79	SH	S6	400	CAP = P on Adapter
2AS2	2.5	1C00-0000	0	81	SH	S6	400	CAP = P on Adapter
2CW4	2.0	AC40-2080	10	---	X10	S4	575	
2DS4	2.0	AC40-2080	9	---	X10	S4	600	
2DV4	2.0	AC60-1070	13	---	X10	S4	700	
3AT2	3.0	1C00-0000	0	86	SH	S6	400	CAP = P on Adapter
3AW2	3.0	2C00-0000	0	87	SH	S6	400	CAP = P on Adapter
4HA7	4.3	1C90-A040	22	---	X4	S5	475	Triode No. 1
4HA7	4.3	1CB0-2030	14	---	X4	S5	200	Triode No. 2
4HC7	4.3	1C90-A040	14	---	X10	S5	300	Triode No. 1
4HC7	4.3	1CB0-2030	12	---	X1	S5	550	Triode No. 2
5BC3	5.0	1300-9000	0	40	SH	S3	650	Plate No. 1
5BC3	5.0	1300-5000	0	35	SH	S3	650	Plate No. 2
5HA7	5.0	1C90-A040	22	---	X4	S5	475	Triode No. 1
5HA7	5.0	1CB0-2030	14	---	X4	S5	200	Triode No. 2
5HC7	5.0	1C90-A040	14	---	X10	S5	300	Triode No. 1
5HC7	5.0	1CB0-2030	12	---	X1	S5	550	Triode No. 2
6AC9	6.3	1C90-BA87	11	---	X10	S5	450	Pentode Sect.
6AC9	6.3	1C00-3040	0	87	SH	S1	400	Diode No. 1
6AC9	6.3	1C00-2030	0	87	SH	S1	400	Diode No. 2
6AC10	6.3	1C90-A040	11	---	X10	S5	450	Triode No. 1
6AC10	6.3	1C7B-5263	11	---	X10	S5	450	X Triodes No. 2 and No. 3
6AD10	6.3	1C30-7625	17	---	X2	S5	550	Pentode No. 1
6AD10	6.3	1C80-BA90	10	---	X10	S5	450	Pentode No. 2
6AF11	6.3	1CB0-2A90	12	---	X10	S5	450	Pentode Sect.
6AF11	6.3	1C60-8050	14	---	X4	S5	700	Triode No. 1
6AF11	6.3	1C30-4070	11	---	X4	S5	500	Triode No. 2
6AG11	6.3	1C85-7649	12	---	X10	S5	525	X Dual Triode
6AG11	6.3	1C00-A3B2	0	80	SH	S1	400	X Dual Diode
6AL11	6.3	1C80-BA90	19	---	X10	S5	400	Pentode No. 1
6AL11	6.3	1C30-6724	22	---	X2	S5	300	Pentode No. 2
6AR11	6.3	1CA0-89B7	5	---	X10	S5	550	Pentode No. 1
6AR11	6.3	1C50-2364	5	---	X10	S5	550	Pentode No. 2
6AS11	6.3	1CB0-2A90	15	---	X10	S5	325	Pentode Sect.
6AS11	6.3	1C60-8050	11	---	X10	S5	500	Triode No. 1
6AS11	6.3	1C30-4070	16	---	X4	S5	600	Triode No. 2
6AV11	6.3	1C97-A546	23	---	X2	S5	750	X Triodes No. 1 and 2
6AV11	6.3	1CB0-2030	23	---	X2	S5	750	Triode No. 3
6AY3	6.3	4500-2090	0	52	SH	S3	650	
6AY11	6.3	1C85-7694	13	---	X1	S5	650	X Dual Triode
6AY11	6.3	1C00-A3B2	0	78	SH	S1	400	X Dual Diode
6B10	6.3	1C53-6472	23	---	X4	S5	475	X Dual Triode
6B10	6.3	1C00-A890	0	73	SH	S1	400	X Dual Diode
6BA3	6.3	4500-2090	0	57	SH	S3	650	
6BA11	6.3	1C40-6387	10	---	X1	S5	325	Pentode No. 1
6BA11	6.3	1C40-2385	10	---	X1	S5	325	Pentode No. 2
6BA11	6.3	1C90-B0A0	30	---	X2	S5	550	Triode Sect.
6BD11	6.3	1CB0-2A90	15	---	X10	S5	450	Pentode Sect.
6BD11	6.3	1C60-8050	14	---	X4	S5	800	Triode No. 1
6BD11	6.3	1C30-4070	14	---	X4	S5	700	Triode No. 2
6BE3	6.3	1C00-A070	0	58	SH	S3	650	

CAUTION

When using the CA-4 with a Roll-Chart tube tester set the element switches as specified before inserting the tube to be tested.

MODEL 752 TUBE TESTER

MODEL 752 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to 1234-5678

NOTE: When using CA-4 Adapter, set Tester Selectors to 1234-5678

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	MULT.	PRESS	MUT.COND.	NOTATIONS
6BF11	6.3	1C80-BA90	30	---	X10	S5	375	Pentode No. 1
6BF11	6.3	1C30-7625	17	---	X2	S5	200	Pentode No. 2
6BH3	6.3	4500-2090	0	52	SH	S3	650	
6BH11	6.3	1C80-A9B0	10	---	X10	S5	350	Pentode Sect.
6BH11	6.3	1C64-7352	15	---	X10	S5	550	X Dual Triode
6BJ3	6.3	1C00-A070	0	60	SH	S3	650	
6BK11	6.3	1C90-A040	21	---	X2	S5	250	Triode No. 1
6BK11	6.3	1C7B-5263	20	---	X2	S5	200	X Dual Triode
6BN11	6.3	1C70-B98A	10	---	X10	S5	475	Pentode No. 1
6BN11	6.3	1C30-5426	10	---	X10	S5	475	Pentode No. 2
6BS3	6.3	4500-2090	0	60	SH	S3	400	
6C9	6.3	4570-9860	16	---	X4	S5	700	Tetrode No. 1
6C9	6.3	4510-32A0	16	---	X4	S5	700	Tetrode No. 2
6C10	6.3	1C97-A546	14	---	X4	S5	200	X Triodes No. 1 and 2
6C10	6.3	1C80-2030	14	---	X4	S5	200	Triode No. 3
6CD3	6.3	1C00-A070	0	63	SH	S3	650	
6CE3	6.3	1C00-4070	0	65	SH	S3	650	
6CG3	6.3	1C00-4070	0	78	SH	S3	400	
6CJ3	6.3	4500-2090	0	78	SH	S3	400	
6CW4	6.3	AC40-2080	10	---	X10	S4	575	
6D10	6.3	1C97-A546	15	---	X4	S5	300	X Triodes No. 1 and 2
6D10	6.3	1C80-2030	15	---	X4	S5	300	Triode No. 3
6D84	6.3	AC40-2080	9	---	X10	S4	600	
6DV4	6.3	AC60-1070	13	---	X10	S4	700	
6DW4	6.3	4500-2090	0	55	SH	S3	650	
6FJ7	6.3	1CA0-B090	20	---	X2	S5	775	Triode No. 1
6FJ7	6.3	1C30-5070	18	---	X10	S5	575	Triode No. 2
6FM7	6.3	1CA0-B090	20	---	X2	S5	300	Triode No. 1
6FM7	6.3	1C80-5070	61	---	X4	S5	725	Triode No. 2
6FY7	6.3	1CA0-B090	21	---	X2	S5	225	Triode No. 1
6FY7	6.3	1C30-5070	59	---	X10	S5	475	Triode No. 2
6G11	6.3	1C80-BA90	39	---	X4	S5	650	Pentode No. 1
6G11	6.3	1C30-6724	20	---	X2	S5	150	Pentode No. 2
6GA7	6.3	1C40-7350	49	---	X4	S5	700	Pentode Sect.
6GA7	6.3	1C00-B080	0	43	SH	S3	400	Diode Sect.
6GE5	6.3	1C80-72A0	50	---	X10	S5	300	
6GF5	6.3	1C80-72A0	59	---	X4	S5	625	
6GF7	6.3	4590-8010	20	---	X2	S5	250	Triode No. 1
6GF7	6.3	4520-6030	64	---	X10	S5	450	Triode No. 2
6GJ5	6.3	4560-0730	31	---	X10	---	450	CAP = P on Adapter Hold down S1 and Press S5
6GT5	6.3	4560-9730	31	---	X10	---	450	Hold down S1 and Press S5
6GV5	6.3	1C90-0BA0	47	---	X10	S5	350	CAP = P on Adapter
6GY5	6.3	1C50-07A0	32	---	X10	---	675	CAP = P on Adapter Hold down S1 and Press S5
6HB5	6.3	1C80-72A0	59	---	X4	S5	625	
6HD5	6.3	1C80-79A0	52	---	X10	S5	400	
6HE5	6.3	1C90-6AB0	29	---	X4	S5	750	
6HE7	6.3	1C90-5B80	58	---	X10	S5	200	Pentode Sect.
6HE7	6.3	1C00-2040	0	85	SH	S1	500	Diode Sect.
6HF5	6.3	1C90-0BA0	70	---	X4	S5	500	
6HJ5	6.3	1C80-792A	53	---	X10	S5	350	CAP = P on Adapter
6J9	6.3	4579-86A0	15	---	X4	S5	750	X Triodes No. 1 and 2
6J9	6.3	4520-1030	15	---	X4	S5	750	Triode No. 3

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	MULT.	PRESS	MIN. MUT.COND.	NOTATIONS
6J10	6.3	1C70-4685	0	---	X1	S5	500	Pentode No. 1
6J10	6.3	1C80-9230	20	---	X10	S5	375	Pentode No. 2
6J11	6.3	1C80-978A	12	---	X4	S5	800	Pentode No. 1
6J11	6.3	1C50-3264	12	---	X4	S5	800	Pentode No. 2
6JB6	6.3	4520-0138	31	---	X10	---	450	CAP = P on Adapter Hold down S1 and Press S5
6JE6	6.3	4520-0738	42	---	X10	---	575	CAP = P on Adapter Hold down S1 and Press S5
6JF6	6.3	4520-0738	36	---	X10	---	550	CAP = P on Adapter Hold down S1 and Press S5
6JG6	6.3	4520-9736	36	---	X10	---	550	Hold down S1 and Press S5
6JM6	6.3	1C50-032A	48	---	X10	S5	350	CAP = P on Adapter
6JN6	6.3	1C80-7324	48	---	X10	S5	350	
6JS6A	6.3	1C50-0324	68	---	X4	S5	600	CAP = P on Adapter
6JT6	6.3	4520-9736	47	---	X10	S5	275	
6JZ8	6.3	1C70-4890	34	---	X10	S5	300	Pentode Sect.
6JZ8	6.3	1CA0-20B0	32	---	X2	S5	450	Triode Sect.
6K11	6.3	1C90-A048	25	---	X2	S5	675	Triode No. 1
6K11	6.3	1C7B-5263	14	---	X4	S5	200	X Triode No. 2 and 3
6KD6	6.3	1C50-0324	75	---	X4	S5	375	CAP = P on Adapter
6KM6	6.3	4520-0738	72	---	X4	S5	350	CAP = P on Adapter
6KN6	6.3	1C50-0324	68	---	X4	S5	500	CAP = P on Adapter
6KY8	6.3	4520-6730	39	---	X10	S5	300	Pentode Sect.
6KY8	6.3	4590-8010	16	---	X2	S5	350	Triode Sect.
6LR8	6.3	4520-6730	40	---	X10	S5	350	Pentode Sect.
6LR8	6.3	4590-8010	21	---	X4	S5	350	Triode Sect.
6LU8	6.3	1C60-4890	40	---	X10	S5	350	Pentode Sect.
6LU8	6.3	1CA0-20B0	21	---	X4	S5	350	Triode Sect.
6M11	6.3	1C20-B3A0	10	---	X10	S5	550	Pentode Sect.
6M11	6.3	1C85-7694	16	---	X10	S5	375	X Dual Triode
6MD8	6.3	4560-3070	27	---	X4	S5	575	Triode No. 1
6MD8	6.3	4589-2170	27	---	X4	S5	575	X Triode No. 2 and No. 3
6Q11	6.3	1C90-A048	25	---	X2	S5	675	Triode No. 1
6Q11	6.3	1C7B-5263	14	---	X4	S5	200	X Triode No. 2 and No. 3
6T9	6.3	1C80-BA90	12	---	X10	S5	450	Pentode Sect.
6T9	6.3	1C40-2050	16	---	X4	S5	200	Triode Sect.
6T10	6.3	1C80-BA90	20	---	X10	S5	375	Pentode No. 1
6T10	6.3	1C30-7625	15	---	X2	S5	200	Pentode No. 2
6U10	6.3	1C9B-A243	27	---	X2	S5	625	X Triodes No. 1 and 3
6U10	6.3	1C70-5060	20	---	X2	S5	175	Triode No. 2
6Y10	6.3	1C80-BA90	21	---	X4	S5	750	Pentode No. 1
6Y10	6.3	1C30-7625	13	---	X2	S5	575	Pentode No. 2
6Z10	6.3	1C70-4685	0	---	X1	S5	500	Pentode No. 1
6Z10	6.3	1C80-9230	20	---	X10	S5	375	Pentode No. 2
8AC9	7.5	1C90-BA87	11	---	X10	S5	450	Pentode Sect.
8AC9	7.5	1C00-3040	0	87	SH	S1	400	Diode No. 1
8AC9	7.5	1C00-2030	0	87	SH	S1	400	Diode No. 2
8AR11	7.5	1CA0-89B7	5	---	X10	S5	550	Pentode No. 1
8AR11	7.5	1C50-2364	5	---	X10	S5	550	Pentode No. 2
8B10	7.5	1C53-6472	24	---	X2	S5	600	X Dual Triode) Set "Line Adjust"
8B10	7.5	1C00-A890	0	70	SH	S1	400	X Dual Diode) to 625 on 1500 scale.
8BA11	7.5	1C40-6387	10	---	X1	S5	325	Pentode No. 1
8BA11	7.5	1C40-2385	10	---	X1	S5	325	Pentode No. 2
8BA11	7.5	1C90-B0A0	30	---	X2	S5	550	Triode Sect.

MODEL 752 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to 1234-5678

TUBE TYPE	FIL.	ADAPTER SELECTORS	BIAS	SHUNT	MULT.	PRESS	MIN. MUT. COND.	NOTATIONS
8BM11	7.5	1C80-79A8	10	---	X10	S5	400	Pentode No. 1
8BM11	7.5	1C60-2354	12	---	X10	S5	350	Pentode No. 2
8BQ11	7.5	1CA0-89B7	8	---	X10	S5	500	Pentode No. 1
8BQ11	7.5	1C50-2364	8	---	X10	S5	630	Pentode No. 2
8BU11	7.5	1C80-A9B0	10	---	X4	S5	700	Pentode Sect.
8BU11	7.5	1C64-7352	16	---	X10	S5	450	X Dual Triode
9BJ11	10.0	1C80-79A8	10	---	X2	S5	500	Pentode No. 1
9BJ11	10.0	1C60-2354	11	---	X10	S5	450	Pentode No. 2
10AL11	10.0	1C80-BA90	19	---	X10	S5	400	Pentode No. 1
10AL11	10.0	1C30-6724	22	---	X2	S5	300	Pentode No. 2
10GF7	10.0	4590-8010	20	---	X2	S5	250	Triode No. 1
10GF7	10.0	4520-6030	64	---	X10	S5	450	Triode No. 2
10J10	10.0	1C70-4685	0	---	X1	S5	500	Pentode No. 1
10J10	10.0	1C80-9230	20	---	X10	S5	375	Pentode No. 2
11AR11	12.6	1CA0-89B7	5	---	X10	S5	525	Pent. No. 1) Set "Line Adjust"
11AR11	12.6	1C50-2364	5	---	X10	S5	525	Pent. No. 2) to 675 on 1500) scale.
11BQ11	12.6	1CA0-89B7	10	---	X10	S5	350	Pentode No. 1.) Set "Line Ad-
11BQ11	12.6	1C50-2364	10	---	X10	S5	375	Pentode No. 2.) just to 86 on) 200 scale.
11BT11	10.0	1C80-2A86	10	---	X20	S5	475	Pentode Sect.
11BT11	10.0	1C50-7060	12	---	X4	S5	850	Triode No. 1
11BT11	10.0	1C30-9040	20	---	X4	S5	750	Triode No. 2
11FY7	10.0	1CA0-B090	21	---	X2	S5	225	Triode No. 1
11FY7	10.0	1C30-5070	59	---	X10	S5	475	Triode No. 2
12AE10	12.6	1C80-BA90	25	---	X4	S5	425	Pentode No. 1
12AE10	12.6	1C30-7625	23	---	X2	S5	250	Pentode No. 2
12AL11	12.6	1C80-BA90	19	---	X10	S5	400	Pentode No. 1
12AL11	12.6	1C30-6724	22	---	X2	S5	300	Pentode No. 2
12AX3	12.6	1C00-4070	0	40	SH	S3	650	
12AY3	12.6	4500-2090	0	52	SH	S3	650	
12BE3	12.6	1C00-A070	0	58	SH	S3	650	
12BF11	12.6	1C80-BA90	30	---	X10	S5	375	Pentode No. 1
12BF11	12.6	1C30-7625	17	---	X2	S5	200	Pentode No. 2
12BS3	12.6	4500-2090	0	60	SH	S3	400	
12BT3	12.6	1C00-4070	0	60	SH	S3	650	
12G11	12.6	1C80-BA90	39	---	X4	S5	650	Pentode No. 1
12G11	12.6	1C30-6724	20	---	X2	S5	150	Pentode No. 2
12GE5	12.6	1C80-72A0	50	---	X10	S5	300	
12GJ5	12.6	4560-0730	31	---	X10	---	450	CAP = P on Adapter Hold down S1 and Press S5
12GT5	12.6	4560-9730	31	---	X10	---	450	Hold down S1 and Press S5
12GV5	12.6	1C90-0BA0	47	---	X10	S5	350	CAP = P on Adapter
12HE7	12.6	1C90-5B80	58	---	X10	S5	200	Pentode Sect.
12HE7	12.6	1C00-2040	0	85	SH	S1	500	Diode Sect.
12JB6	12.6	4520-0138	31	---	X10	---	450	CAP = P on Adapter Hold down S1 and Press S5
12JN6	12.6	1C80-7324	48	---	X10	S5	350	
12JT6	12.6	4520-9736	47	---	X10	S5	275	
12T10	12.6	1C80-BA90	20	---	X10	S5	375	Pentode No. 1
12T10	12.6	1C30-7625	15	---	X2	S5	200	Pentode No. 2
13CW4	12.6	AC40-2080	10	---	X10	S4	575	
13FM7	12.6	1CA0-B090	20	---	X2	S5	300	Triode No. 1
13FM7	12.6	1C80-5070	61	---	X4	S5	725	Triode No. 2
13GF7	12.6	4590-8010	20	---	X2	S5	250	Triode No. 1
13GF7	12.6	4520-6030	64	---	X10	S5	450	Triode No. 2

MODEL 752 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to 1234-5678

TUBE TYPE	FIL.	ADAPTER SELECTORS	BIAS	SHUNT	MULT.	PRESS	MIN. MUT. COND.	NOTATIONS
13J10	12.6	1C70-4685	0	---	X1	S5	500	Pentode No. 1
13J10	12.6	1C80-9230	20	---	X10	S5	375	Pentode No. 2
13V10	12.6	1C80-BA90	26	---	X10	S5	300	Pentode No. 1
13V10	12.6	1C30-7625	26	---	X4	S5	150	Pentode No. 2
13Z10	12.6	1C70-4685	0	---	X1	S5	500	Pentode No. 1
13Z10	12.6	1C80-9230	20	---	X10	S5	375	Pentode No. 2
14BL11	12.6	1C80-2A80	13	---	X10	S5	625	Pentode Sect.
14BL11	12.6	1C50-7060	11	---	X10	S5	375	Triode No. 1
14BL11	12.6	1C30-9040	18	---	X10	S5	450	Triode No. 2
14BR11	12.6	1C20-B340	10	---	X10	S5	500	Pentode Sect.
14BR11	12.6	1C80-6050	13	---	X10	S5	400	Triode No. 1
14BR11	12.6	1CA0-9070	14	---	X10	S5	300	Triode No. 2
15AF11	17.0	1C80-2A90	12	---	X10	S5	450	Pent. Sect.) Set "Line Ad-
15AF11	17.0	1C80-8050	13	---	X4	S5	825	Triode No. 1) just" at 725 on
15AF11	17.0	1C30-4070	13	---	X4	S5	625	Triode No. 2) 1500 scale.
15BD11	12.6	1C80-2A90	19	---	X10	S5	450	Pent. Sect.) Set "Line Ad-
15BD11	12.6	1C80-8050	15	---	X4	S5	800	Triode No. 1) just" at 110 on
15BD11	12.6	1C30-4070	18	---	X4	S5	700	Triode No. 2) 200 scale.
15FM7	12.6	1CA0-B090	23	---	X2	S5	300	Triode No. 1) Set "Line Ad-
15FM7	12.6	1C80-5070	72	---	X4	S5	725	Triode No. 2) just" at 110 on) 200 scale.
15FY7	17.0	1CA0-B090	20	---	X2	S5	225	Triode No. 1) Set "Line Ad-
15FY7	17.0	1C30-5070	55	---	X10	S5	475	Triode No. 2) just" at 725 on) 1500 scale.
15KY8	17.0	4520-6730	39	---	X10	S5	300	Pent. Sect.) Set "Line Ad-
15KY8	17.0	4590-8010	16	---	X2	S5	350	Triode Sect.) just" at 700 on) 1500 scale.
16GY5	17.0	1C90-0BA0	59	---	X4	S5	800	CAP = P on Adapter
16KA6	17.0	1C50-03A4	62	---	X10	S5	300	CAP = P on Adapter
17AB10	17.0	1C70-4685	0	---	X1	S5	500	Limiter Grid
17AB10	17.0	1C50-4687	0	---	X1	S5	525	Quadrature Grid
17AB10	17.0	1C80-9230	35	---	X4	S5	700	Pentode No. 2
17AX3	17.0	1C00-4070	0	40	SH	S3	650	
17AY3	17.0	4500-2090	0	52	SH	S3	650	
17BE3	17.0	1C00-A070	0	58	SH	S3	650	
17BF11	17.0	1C80-BA90	30	---	X10	S5	375	Pentode No. 1
17BF11	17.0	1C30-7625	17	---	X2	S5	200	Pentode No. 2
17BH3	17.0	4500-2090	0	52	SH	S3	650	
17BS3	17.0	4500-2090	0	60	SH	S3	400	
17BZ3	17.0	1C00-A070	0	77	SH	S3	400	
17C9	17.0	4570-9860	16	---	X4	S5	700	Tetrode No. 1
17C9	17.0	4510-32A0	16	---	X4	S5	700	Triode No. 2
17GE5	17.0	1C80-72A0	26	---	X10	---	550	Hold down S1 and Press S5
17GJ5	17.0	4560-0730	31	---	X10	---	450	CAP = P on Adapter Hold down S1 and Press S5
17GT5	17.0	4560-9730	31	---	X10	---	450	Hold down S1 and Press S5
17GV5	17.0	1C90-0BA0	27	---	X10	---	525	CAP = P on Adapter
17JB6	17.0	4520-0138	31	---	X10	---	450	Hold down S1 and Press S5
17JG6A	17.0	4520-9736	36	---	X10	---	550	CAP = P on Adapter Hold down S1 and Press S5
17JM6	17.0	1C50-032A	48	---	X10	S5	350	CAP = P on Adapter
17JN6	17.0	1C80-7324	48	---	X10	S5	350	
17JT6	17.0	4520-9736	47	---	X10	S5	275	
17JZ8	17.0	1C70-4685	35	---	X4	S5	725	Pentode Sect.
17JZ8	17.0	1CA0-20B0	32	---	X2	S5	400	Triode Sect.

MODEL 752 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to 1234-5678

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	MULT.	PRESS	MIN. MUT. COND.	NOTATIONS	
17LD8	17.0	4520-6730	39	---	X4	S5	800	Pentode Sect. Triode Sect. Limiter Grid Quadrature Grid Pentode No. 2 Pentode Sect. Triode Sect.	
17LD8	17.0	4590-8010	30	---	X2	S5	500		
17X10	17.0	1C70-4685	0	---	X1	S5	500		
17X10	17.0	1C50-4687	0	---	X1	S5	525		
17X10	17.0	1CB0-9230	35	---	X4	S5	700		
19Q9	20.0	4510-32A6	10	---	X4	S5	650		
19Q9	20.0	4580-9076	15	---	X10	S5	400		
21GY5	20.0	1C50-07A0	32	---	X10	---	675		CAP = P on Adapter Hold down S1 and Press S5
21HB5	20.0	1CB0-72A0	59	---	X4	S5	625		
21HD5	20.0	1CB0-79A0	52	---	X10	S5	400		
21HJ5	20.0	1CB0-792A	53	---	X10	S5	350		
21JV6	20.0	1CB0-732A	60	---	X10	S5	325		
21JZ6	20.0	1C50-0324	63	---	X10	S5	300		
21KA6	20.0	1C50-03A4	62	---	X10	S5	300		
21LR8	20.0	4520-6730	40	---	X10	S5	350		
21LR8	20.0	4590-2010	21	---	X4	S5	350		
21LU8	20.0	1C60-4890	40	---	X10	S5	350	Pentode Sect. Triode Sect. Set "Line Adjust" to 850 on 1500 scale.	
21LU8	20.0	1CA0-20B0	21	---	X4	S5	350		
22BH3	20.0	4500-2090	0	52	SH	S3	650		
22BW3	25.0	1C00-A070	0	49	SH	S3	650		
22JF6	20.0	4520-0738	36	---	X10	---	550		
22JG6	20.0	4520-9736	36	---	X10	---	550		
22JU6	20.0	4520-0738	62	---	X4	S5	700		
23Z9	25.0	1C80-5970	40	---	X10	S5	300		
23Z9	25.0	1CA0-B070	20	---	X4	S5	550		
23Z9	25.0	1C30-2070	30	---	X4	S5	350	CAP = P on Adapter Pentode Sect. Triode No. 1 Triode No. 2 Pentode Sect. Diode Sect.	
24GA7	25.0	1C40-7350	49	---	X4	S5	700		
24GA7	25.0	1C00-B080	0	43	SH	S3	400		
28HD5	25.0	1CB0-79A0	52	---	X10	S5	400		
30AG11	35.0	1C58-6749	11	---	X10	S5	525		
30AG11	35.0	1C00-3A2B	0	78	SH	S1	400		
31JS6A	35.0	1C50-0324	68	---	X4	S5	600		
32GA7	35.0	1C40-7350	49	---	X4	S5	700		
32GA7	35.0	1C00-B080	0	43	SH	S3	400		
33GT7	35.0	1CB0-5A80	34	---	X10	---	450		
33GT7	35.0	1C00-2040	0	76	SH	S3	400		
33GY7	35.0	1CA0-5B80	34	---	X10	---	450		
33GY7	35.0	1C00-2040	0	76	SH	S3	400		
33JV6	35.0	1CB0-732A	60	---	X10	S5	325	Pent. Sect. Set "Line Adjust" to 600 on 1500 scale. Diode Sect. Pentode Sect. Diode Sect. CAP = P on Adapter. Set "Line Adjust" to 86 on 200 scale.	
34CD3	35.0	1C00-A070	0	63	SH	S3	650		
34CE3	35.0	1C00-4070	0	65	SH	S3	650		
38HE7	50.0	1C90-5B80	51	---	X10	S5	200		
38HE7	50.0	1C00-2040	0	82	SH	S1	500		
38HK7	35.0	1C90-5B80	60	---	X4	S5	625		
38HK7	35.0	1C00-2040	0	88	SH	S1	400		
42KN6	50.0	1C50-0324	64	---	X10	S5	300		
7586	6.3	AC40-2080	15	---	X10	S4	600		
7587	6.3	AC40-0280	10	---	X10	---	450		
7587	6.3	AC40-0280	10	---	X10	---	450		

MODEL 752 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to 1234-5678

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	MULT.	PRESS	MIN. MUT. COND.	NOTATIONS
7868	6.3	4560-9730	11	---	X10	S5	525	Make no Gas Test CAP = P, SHELL = G on Adapter
7895	6.3	AC40-2080	16	---	X10	S5	525	
7984	12.6	1CA0-3E90	46	---	X10	S5	350	
8056	6.3	AC40-2080	10	73	SH	S1	650	
8058	6.3	AC00-0020	13	---	X10	S5	625	
8149	12.6	1CA0-7890	50	---	X4	S5	700	
8150	12.6	1CA0-0860	50	---	X4	S5	700	CAP = P on Adapter
8156	12.6	1CA0-3760	31	---	X4	S5	625	
8203	6.3	AC40-2080	26	---	X10	S5	300	
8393	12.6	AC40-2080	24	---	X10	S5	500	

OPERATING DATA
FOR THE
MODEL CA-4 ADAPTER
WHEN USED WITH
MODEL 800
ROLL CHART TUBE TESTER

HICKOK

NOTE 1: A Star ★ after P1, P2, P3, and P5 indicates that reading is made on English Scale only.

NOTE 2: A # in the Bias column indicates Bias should be set at 100 and proper button pressed while Bias dial is rotated until tube strikes.

INSTRUCTIONS FOR USING THE MODEL CA-4 COMPACTRON ADAPTER
WITH A ROLL-CHART TUBE TESTER

The Hickok Model CA-4 Compactron Adapter is used in conjunction with Hickok CARDMATIC and Roll-Chart tube testers to test Compactrons, Novars, 5 and 7-pin Nuvisitors, and 10-pin header tubes.

The CA-4 Adapter consists of:

- a) Eight (8) rotary switches which are used to select the pins of each individual element of the tube to be tested.
- b) Five (5) tube sockets.
- c) Three (3) jacks labeled "G", "P", and "K" which are used for connection to the tube top cap.
- d) A test plug which is connected to the CA-4 by a cable. This test plug is inserted into the octal socket of the tube tester that is to be used with the CA-4. The following table lists the pin numbers of the test plug and the associated tube element switch.

OCTAL PLUG PIN NUMBER	TUBE ELEMENT SWITCH
1	FILAMENT
2	FILAMENT
3	GRID A
4	GRID B
5	PLATE
6	SCREEN
7	CATHODE
8	SUPPRESSOR

The tube element switch settings on the adapter are connected in parallel with the pins of each tube socket mounted on the CA-4. The following table lists the switch and the associated pin number of the tube sockets.

SWITCH SETTINGS	PIN NUMBERS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
B	11
C	12
D	No Connection
0	No Connection

The three jacks marked "G", "P", and "K" located on the left side of the adapter are internally connected to their respective element switch (grid, plate, and cathode). They are used for cap connections (test lead supplied). The proper top cap connection is indicated in the NOTATIONS column of the chart on the following pages.

CAUTION

When using the CA-4 with a Roll-Chart tube tester set the element switches as specified before inserting the tube to be tested.

MODEL 800 TUBE TESTER
Supplementary Data - CA-4 Adapter

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3568-7

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	ENG	PRESS	MUT COND	NOTATIONS
1AD2	1.5	1C00-0000	0	53	P5 *	----	CAP = P on Adapter OK above Diodes OK CAP = P on Adapter OK above Diodes OK CAP = P on Adapter OK above Diodes OK
2AH2	2.5	1C00-0000	0	79	P5 *	----	
2AS2	2.5	1C00-0000	0	80	P5 *	----	
2CW4	2.0	AC40-2080	23	73	P4	2000	
2DS4	2.0	AC40-2080	21	79	P4	2600	
2DV4	2.0	AC60-1070	26	88	P4	3700	
3AT2	3.0	1C00-0000	0	87	P5 *	----	Cap = P on Adapter OK above Diodes OK CAP = P on Adapter OK above Diodes OK
3AW2	3.0	2C00-0000	0	87	P5 *	----	
4HA7	4.3	1C90-A040	21	77	P4	2800	
4HA7	4.3	1CB0-2030	16	10	P4	650	
4HC7	4.3	1C90-A040	11	84	P4	3500	Triode No. 1
4HC7	4.3	1CB0-2030	17	21	P4	650	Triode No. 2
5BC3	5.0	1300-9000	0	43	P3 *	----	Plate No. 1
5BC3	5.0	1300-5000	0	48	P3 *	----	Plate No. 2
5HA7	5.0	1C90-A040	21	77	P4	2800	Triode No. 1
5HA7	5.0	1CB0-2030	16	10	P4	650	Triode No. 2
5HC7	5.0	1C90-A040	11	84	P4	3500	Triode No. 1
5HC7	5.0	1CB0-2030	17	21	P4	650	Triode No. 2
6AC9	6.3	1C90-BA87	10	83	P4	3700	Pentode Sect.
6AC9	6.3	1C00-3040	0	85	P1 *	----	Diode No. 1
6AC9	6.3	1C00-2030	0	85	P1 *	----	Diode No. 2
6AC10	6.3	1C90-A040	13	85	P4	4000	Triode No. 1
6AC10	6.3	1C70-5060	13	85	P4	4000	Triode No. 2
6AC10	6.3	1CB0-2030	13	85	P4	4000	Triode No. 3
6AD10	6.3	1C30-7625	16	60	P4	2600	Pentode No. 1
6AD10	6.3	1C80-BA90	7	85	P4	4000	Pentode No. 2
6AF11	6.3	1CB0-2A90	6	89	P4	5100	Pentode Sect.
6AF11	6.3	1C60-8050	19	71	P4	1700	Triode No. 1
6AF11	6.3	1C30-4070	11	73	P4	1900	Triode No. 2
6AG11	6.3	1C50-6040	17	85	P4	3100	Triode No. 1
6AG11	6.3	1C80-7090	17	85	P4	3100	Triode No. 2
6AG11	6.3	1C00-A0B0	0	83	P1 *	----	Diode No. 1
6AG11	6.3	1C00-3020	0	83	P1 *	----	Diode No. 2
6AL11	6.3	1C80-BA90	14	89	P4	4600	Pentode No. 1
6AL11	6.3	1C30-6724	19	17	P4	580	Pentode No. 2
6AR11	6.3	1CA0-89B7	6	85	P4	3500	Pentode No. 1
6AR11	6.3	1C50-2364	6	85	P4	3500	Pentode No. 2
6AS11	6.3	1CB0-2A90	10	89	P4	5000	Pentode Sect.
6AS11	6.3	1C60-8050	15	87	P4	3500	Triode No. 1
6AS11	6.3	1C30-4070	18	83	P4	3400	Triode No. 2
6AV11	6.3	1C90-A040	21	80	P4	2600	Triode No. 1
6AV11	6.3	1C70-5060	21	80	P4	2600	Triode No. 2
6AV11	6.3	1CB0-2030	21	80	P4	2600	Triode No. 3
6AX3	6.3	1C00-4070	0	35	P3 *	----	
6AY3	6.3	4500-2090	0	56	P3 *	----	
6AY11	6.3	1C80-7090	18	20	P4	640	Triode No. 1
6AY11	6.3	1C50-6040	18	20	P4	640	Triode No. 2
6AY11	6.3	1C00-A0B0	0	77	P1 *	----	Diode No. 1
6AY11	6.3	1C00-3020	0	77	P1 *	----	Diode No. 2

MODEL 800 TUBE TESTER

NOTE: Set TESTER Selectors to BS-3568-7

TUBE TYPE	FIL.	ADAPTER SELECTORS	BIAS	ENG	PRESS	MUT. COND.	NOTATIONS
6B10	6.3	1C50-6070	22	80	P4	2500	Triode No. 1
6B10	6.3	1C30-4020	22	80	P4	2500	Triode No. 2
6B10	6.3	1C00-A090	0	75	P1 *	----	Diode No. 1
6B10	6.3	1C00-8090	0	75	P1 *	----	Diode No. 2
6BA3	6.3	4500-2090	0	50	P3 *	----	
6BA11	6.3	1C40-6387	10	10	P4	650	Pentode No. 1
6BA11	6.3	1C40-2385	10	10	P4	650	Pentode No. 2
6BA11	6.3	1C90-B0A0	30	57	P4	1450	Triode Sect.
6BD11	6.3	1CB0-2A90	11	88	P4	5000	Pentode Sect.
6BD11	6.3	1C60-8050	16	80	P4	2750	Triode No. 1
6BD11	6.3	1C30-4070	12	84	P4	3500	Triode No. 2
6BE3	6.3	1C00-A070	0	60	P3 *	----	
6BF11	6.3	1C80-BA90	27	90	P4	7200	Pentode No. 1
6BF11	6.3	1C30-7625	15	20	P4	575	Pentode No. 2
6BH3	6.3	4500-2090	0	56	P3 *	----	
6BH11	6.3	1C80-A9B0	10	84	P4	3300	Pentode Sect.
6BH11	6.3	1C60-7050	17	89	P4	4800	Triode No. 1
6BH11	6.3	1C40-3020	17	89	P4	4800	Triode No. 2
6BJ3	6.3	1C00-A070	0	60	P3 *	----	
6BK11	6.3	1C90-A040	20	21	P4	650	Triode No. 1
6BK11	6.3	1C70-5060	18	0	P4	500	Triode No. 2
6BK11	6.3	1CB0-2030	18	0	P4	500	Triode No. 3
6BN11	6.3	1C70-B98A	10	81	P4	3000	Pentode No. 1
6BN11	6.3	1C30-5426	10	81	P4	3000	Pentode No. 2
6BS3	6.3	4500-2090	0	60	P3 *	----	
6C9	6.3	4570-9860	20	85	P4	3700	Tetrode No. 1
6C9	6.3	4510-32A0	20	85	P4	3700	Tetrode No. 2
6C10	6.3	1C90-A040	12	58	P4	1250	Triode No. 1
6C10	6.3	1C70-5060	12	58	P4	1250	Triode No. 2
6C10	6.3	1CB0-2030	12	58	P4	1250	Triode No. 3
6CD3	6.3	1C00-A070	0	79	P3 *	----	
6CE3	6.3	1C00-4070	0	79	P3 *	----	OK above Diodes OK
6CG3	6.3	1C00-4070	0	78	P3 *	----	OK above Diodes OK
6CJ3	6.3	4500-2090	0	78	P3 *	----	OK above Diodes OK
6CW4	6.3	AC40-2080	23	73	P4	2000	
6D10	6.3	1C90-A040	19	80	P4	2800	Triode No. 1
6D10	6.3	1C70-5060	19	80	P4	2800	Triode No. 2
6D10	6.3	1CB0-2030	19	80	P4	2800	Triode No. 3
6DS4	6.3	AC40-2080	21	79	P4	2600	
6DV4	6.3	AC60-1070	26	88	P4	3700	
6DW4	6.3	4500-2090	0	59	P3 *	----	
6FJ7	6.3	1CA0-B090	24	73	P4	2500	Triode No. 1
6FJ7	6.3	1C30-5070	18	92	P4	7700	Triode No. 2
6FM7	6.3	1CA0-B090	19	53	P4	1100	Triode No. 1
6FM7	6.3	1C80-5070	63	88	P4	5000	Triode No. 2
6FY7	6.3	1CA0-B090	19	17	P4	625	Triode No. 1
6FY7	6.3	1C30-5070	55	92	P4	8500	Triode No. 2
6G11	6.3	1C80-BA90	33	89	P4	4400	Pentode No. 1
6G11	6.3	1C30-6724	15	19	P4	650	Pentode No. 2
6GA7	6.3	1C40-7350	55	89	P4	4600	Pentode Sect.
6GA7	6.3	1C00-B080	0	54	P3 *	----	Diode Sect.
6GE5	6.3	1CB0-72A0	50	90	P4	6000	
6GF5	6.3	1CB0-72A0	55	89	P4	4800	
6GF7	6.3	4590-8010	18	35	P4	800	Triode No. 1
6GF7	6.3	4520-6030	63	86	P4	4200	Triode No. 2

MODEL 800 TUBE TESTER

NOTE: Set TESTER Selectors to BS-3568-7

TUBE TYPE	FIL.	ADAPTER SELECTORS	BIAS	ENG.	PRESS	MUT. COND.	NOTATIONS
6GJ5	6.3	4560-0730	32	91	--	7000	CAP = P on Adapter
6GT5	6.3	4560-9730	32	91	--	7000	Hold down P1 and Press P4
6GV5	6.3	1C90-0BA0	46	92	P4	6800	Hold down P1 and Press P4
6GY5	6.3	1C50-07A0	63	89	P4	5800	CAP = P on Adapter
6HB5	6.3	1CB0-72A0	62	89	P4	5600	CAP = P on Adapter
6HD5	6.3	1CB0-79A0	58	89	P4	5400	
6HE5	6.3	1C90-6AB0	28	89	P4	5600	
6HE7	6.3	1C90-5B80	56	90	P4	6000	Pentode Sect.
6HE7	6.3	1C00-2040	0	85	P1 *	----	Diode Sect.
6HF5	6.3	1C90-0BA0	64	92	P4	8300	CAP = P on Adapter
6HJ5	6.3	1CB0-792A	62	90	P4	6500	
6J9	6.3	4570-80A0	15	81	P4	3000	Triode No. 1
6J9	6.3	4590-60A0	15	81	P4	3000	Triode No. 2
6J9	6.3	4520-1030	15	81	P4	3000	Triode No. 3
6J10	6.3	1C70-4685	6	73	--	400	Pentode No. 1. Hold down P1 and Press P4. OK above 250 on 3000 scale.
6J10	6.3	1CB0-9230	15	90	P4	6600	Pentode No. 2
6J11	6.3	1CB0-978A	10	83	P4	3000	Pentode No. 1
6J11	6.3	1C50-3264	10	83	P4	3000	Pentode No. 2
6JB6	6.3	4520-0138	32	91	--	7000	CAP = P on Adapter
6JE6	6.3	4520-0738	43	91	--	7200	Hold down P1 and Press P4
6JF6	6.3	4520-0738	35	92	--	8300	CAP = P on Adapter.
6JG6	6.3	4520-9736	35	92	--	8300	Hold down P1 and Press P4
6JM6	6.3	1C50-032A	44	91	P4	6500	Hold down P1 and Press P4
6JN6	6.3	1CB0-7324	44	91	P4	6500	CAP = P on Adapter
6JS6A	6.3	1C50-0324	60	89	P4	4500	
6JT6	6.3	4520-9736	44	90	P4	6000	
6JZ8	6.3	1C70-4890	25	92	P4	7300	Pentode Sect.
6JZ8	6.3	1CA0-20B0	29	61	P4	1350	Triode Sect.
6K11	6.3	1C90-A048	24	75	P4	2200	Triode No. 1
6K11	6.3	1C70-5068	12	58	P4	1250	Triode No. 2
6K11	6.3	1CB0-2038	12	58	P4	1250	Triode No. 3
6KD6	6.3	1C50-0324	75	82	P4	3500	CAP = P on Adapter
6KM6	6.3	4520-0738	67	86	P4	3400	CAP = P on Adapter
6KN6	6.3	1C50-0324	60	85	P4	4000	CAP = P on Adapter
6KY8	6.3	4520-6730	42	88	P4	5000	Pentode Sect.
6KY8	6.3	4590-8010	21	7	P4	550	Triode Sect.
6LR8	6.3	4520-6730	40	87	P4	4400	Pentode Sect.
6LR8	6.3	4590-8010	24	61	P4	1300	Triode Sect.
6LU8	6.3	1C60-4890	40	87	P4	4400	Pentode Sect.
6LU8	6.3	1CA0-20B0	24	61	P4	1300	Triode Sect.
6M11	6.3	1C20-B3A0	5	86	P4	3950	Pentode Sect.
6M11	6.3	1C80-7090	19	81	P4	2800	Triode No. 1
6M11	6.3	1C50-6040	19	81	P4	2800	Triode No. 2
6MD8	6.3	4560-3070	25	78	P4	2800	Triode No. 1
6MD8	6.3	4580-2070	25	78	P4	2800	Triode No. 2
6MD8	6.3	4590-1070	25	78	P4	2800	Triode No. 3
6Q11	6.3	1C90-A048	24	75	P4	2200	Triode No. 1
6Q11	6.3	1C70-5068	12	58	P4	1250	Triode No. 2
6Q11	6.3	1CB0-2038	12	58	P4	1250	Triode No. 3

MODEL 800 TUBE TESTER

NOTE: Set TESTER Selectors to BS-3568-7

TUBE TYPE	FIL.	ADAPTER SELECTORS	BIAS	ENG.	PRESS	MUT. COND.	NOTATIONS
6T9	6.3	1C80-BA90	14	89	P4	5500	Pentode Sect.
6T9	6.3	1C40-2050	18	23	P4	800	Triode Sect.
6T10	6.3	1C80-BA90	17	89	P4	4850	Pentode No. 1
6T10	6.3	1C30-7625	12	12	--	570	Pentode No. 2.
6U10	6.3	1C90-A040	25	72	P4	1975	Hold down P1 and Press P4
6U10	6.3	1C70-5060	18	8	P4	575	Triode No. 1
6U10	6.3	1CB0-2030	25	72	P4	1975	Triode No. 3
6Y10	6.3	1C80-BA90	17	86	P4	4000	Pentode No. 1
6Y10	6.3	1C30-7625	12	61	P4	1350	Pentode No. 2
6Z10	6.3	1C70-4685	6	73	--	400	Pentode No. 1. OK above 250 on 3000 scale. Hold down P1 and Press P4.
6Z10	6.3	1CB0-9230	15	90	P4	6600	Pentode No. 2
8AC9	7.5	1C90-BA87	10	83	P4	3700	Pentode Sect.
8AC9	7.5	1C00-3040	0	85	P1 *	----	Diode No. 1
8AC9	7.5	1C00-2030	0	85	P1 *	----	Diode No. 2
8AR11	7.5	1CA0-89B7	6	85	P4	3500	Pentode No. 1
8AR11	7.5	1C50-2364	6	85	P4	3500	Pentode No. 2
8B10	7.5	1C50-6070	27	75	P4	2100	Triode No. 1) Make "Line
8B10	7.5	1C30-4020	27	75	P4	2100	Triode No. 2) Test" at 1750
8B10	7.5	1C00-A090	0	77	P1 *	----	Diode No. 1) on
8B10	7.5	1C00-8090	0	77	P1 *	----	Diode No. 2) 3000 scale
8BA11	7.5	1C40-6387	10	10	P4	650	Pentode No. 1
8BA11	7.5	1C40-2385	10	10	P4	650	Pentode No. 2
8BA11	7.5	1C90-B0A0	30	57	P4	1450	Triode Sect.
8BM11	7.5	1CB0-79A8	10	84	P4	3600	Pentode No. 1
8BM11	7.5	1C60-2354	11	83	P4	3400	Pentode No. 2
8BQ11	7.5	1CA0-89B7	5	84	P4	3800	Pentode No. 1
8BQ11	7.5	1C50-2364	5	87	P4	5000	Pentode No. 2
8BU11	7.5	1C80-A9B0	10	80	P4	3000	Pentode Sect.
8BU11	7.5	1C60-7050	13	87	P4	5000	Triode No. 1
8BU11	7.5	1C40-3020	13	87	P4	5000	Triode No. 2
9BJ11	10.0	1CB0-79A8	10	56	P4	1200	Pentode No. 1
9BJ11	10.0	1C60-2354	12	82	P4	3000	Pentode No. 2
10AL11	10.0	1C80-BA90	14	89	P4	4600	Pentode No. 1
10AL11	10.0	1C30-6724	19	17	P4	580	Pentode No. 2
10GF7	10.0	4590-8010	18	35	P4	800	Triode No. 1
10GF7	10.0	4520-6030	63	86	P4	4200	Triode No. 2
10J10	10.0	1C70-4685	6	73	--	400	Pentode No. 1. OK above 250 on 3000 scale. Hold down P1 and Press P4
10J10	10.0	1CB0-9230	15	90	P4	6600	Pentode No. 2
11AR11	10.0	1CA0-89B7	6	85	P4	3500	Pentode No. 1) Make "Line
11AR11	10.0	1C50-2364	6	85	P4	3500	Pentode No. 2) Test" at 1350 on 3000 scale.
11BQ11	12.6	1CA0-89B7	10	82	P4	3000	Pentode No. 1. Make "Line Test" at 1400 on 3000 scale.
11BQ11	12.6	1C50-2364	10	85	P4	3500	Pentode No. 2
11BT11	10.0	1CB0-2A86	8	90	P4	5000	Pentode Sect.
11BT11	10.0	1C50-7060	15	78	P4	3000	Triode No. 1
11BT11	10.0	1C30-9040	23	77	P4	2700	Triode No. 2
11FY7	10.0	1CA0-B090	19	17	P4	625	Triode No. 1
11FY7	10.0	1C30-5070	55	92	P4	8500	Triode No. 2
12AE10	12.6	1C80-BA90	19	79	P4	2800	Pentode No. 1
12AE10	12.6	1C30-7625	21	27	P4	700	Pentode No. 2
12AL11	12.6	1C80-BA90	14	89	P4	4600	Pentode No. 1
12AL11	12.6	1C30-6724	19	17	P4	580	Pentode No. 2

MODEL 800 TUBE TESTER

NOTE: Set TESTER Selectors to BS-3568-7

TUBE TYPE	FIL.	ADAPTER SELECTORS	BIAS	ENG.	PRESS	MUT. COND.	NOTATIONS
12AX3	12.6	1C00-4070	0	35	P3 *	----	
12AY3	12.6	4500-2090	0	56	P3 *	----	
12BE3	12.6	1C00-A070	0	60	P3 *	----	
12BF11	12.6	1C80-BA90	27	90	P4	7200	Pentode No. 1
12BF11	12.6	1C30-7625	15	20	P4	575	Pentode No. 2
12BS3	12.6	4500-2090	0	60	P3 *	----	
12BT3	12.6	1C00-4070	0	60	P3 *	----	
12G11	12.6	1C80-BA90	33	89	P4	4400	Pentode No. 1
12G11	12.6	1C30-6724	15	19	P4	650	Pentode No. 2
12GE5	12.6	1CB0-72A0	50	90	P4	6000	
12GJ5	12.6	4560-0730	32	91	--	7000	CAP = P on Adapter Hold down P1 and Press P4
12GT5	12.6	4560-9730	32	91	--	7000	Hold down P1 and Press P4
12GV5	12.6	1C90-0BA0	46	92	P4	6800	CAP = P on Adapter
12HE7	12.6	1C90-5B80	56	90	P4	6000	Pentode Sect.
12HE7	12.6	1C00-2040	0	85	P1 *	----	Diode Sect.
12JB6	12.6	4520-0138	32	91	--	7000	CAP = P on Adapter Hold down P1 and Press P4
12JN6	12.6	1CB0-7324	44	91	P4	6500	
12JT6	12.6	4520-9736	44	90	P4	6000	
12T10	12.6	1C80-BA90	17	89	P4	4850	Pentode No. 1
12T10	12.6	1C30-7625	12	12	--	570	Pentode No. 2. Hold down P1 and Press P4
13CW4	12.6	AC40-2080	23	73	P4	2000	
13FM7	12.6	1CA0-B090	19	53	P4	1100	Triode No. 1
13FM7	12.6	1C80-5070	63	88	P4	5000	Triode No. 2
13GF7	12.6	4590-8010	18	35	P4	800	Triode No. 1
13GF7	12.6	4520-6030	63	86	P4	4200	Triode No. 2
13J10	12.6	1C70-4685	6	73	--	400	Pentode No. 1. OK above 250 on 3000 scale. Hold down P1 and Press P4
13J10	12.6	1CB0-9230	15	90	P4	6600	Pentode No. 2
13V10	12.6	1C80-BA90	22	84	P4	4000	Pentode No. 1
13V10	12.6	1C30-7625	24	0	P4	500	Pentode No. 2
13Z10	12.6	1C70-4685	6	73	--	400	Pentode No. 1. OK above 250 on 3000 scale. Hold down P1 and Press P4
13Z10	12.6	1CB0-9230	15	90	P4	6600	Pentode No. 2
14BL11	12.6	1CB0-2A80	10	88	P4	5000	Pentode Sect.
14BL11	12.6	1C50-7060	10	80	P4	2750	Triode No. 1
14BL11	12.6	1C30-9040	18	82	P4	3000	Triode No. 2
14BR11	12.6	1C20-B340	10	87	P4	4500	Pentode Sect.
14BR11	12.6	1C80-6050	11	80	P4	2500	Triode No. 1
14BR11	12.6	1CA0-9070	8	82	P4	3000	Triode No. 2
15AF11	12.6	1CB0-2A90	11	90	P4	4700	Pentode Sect.) Make "Line
15AF11	12.6	1C60-8050	19	77	P4	2500	Triode No. 1) Test" at 1800
15AF11	12.6	1C30-4070	16	85	P4	3150	Triode No. 2) on 3000 scale.
15BD11	12.6	1CB0-2A90	16	88	P4	4000	Pent. Sect. Make "Line Test" at 1750 on 3000 scale.
15BD11	12.6	1C60-8050	17	80	P4	2300	Triode No. 1
15BD11	12.6	1C30-4070	18	84	P4	3500	Triode No. 2
15FM7	12.6	1CA0-B090	20	53	P4	1100	Triode No. 1. Make "Line Test" at 1700 on 3000 scale.
15FM7	12.6	1C80-5070	65	88	P4	5000	Triode No. 2

MODEL 800 TUBE TESTER

NOTE: Set TESTER Selectors to BS-3568-7

TUBE TYPE	FIL.	ADAPTER SELECTORS	BIAS	ENG.	PRESS	MUT. COND.	NOTATIONS
15FY7 15FY7	12.6 12.6	1CA0-B090 1C30-5070	18 57	37 92	P4 P4	800 6500	Triode No. 1) Make "Line Test" Triode No. 2) Test" at 1800 on 3000 scale
15KY8 15KY8	12.6 12.6	4520-6730 4590-8010	43 18	92 48	P4 P4	8900 1000	Pent. Sect.) Make "Line Test" Triode Sect.) Test at 1900 on 3000 scale.
16GY5	20.0	1C90-0BA0	54	91	P4	7100	CAP = P on Adapter. Make "Line Test" at 1450 on 3000 scale.
16KA6 17AB10	20.0 20.0	1C50-03A4 1C70-4685	58 6	86 52	P4 P4	4000 700	CAP = P on Adapter. Limiter Grid. Make "Line Test" at 1400 on 3000 scale.
17AB10 17AB10	20.0 20.0	1C50-4687 1CB0-9230	6 35	43 82	P4 P4	500 3000	Quadrature Grid Pentode No. 2
17AX3	20.0	1C00-4070	0	50	P3 *	----	Make "Line Test" at 1400 on 3000 scale.
17AY3	20.0	4500-2090	0	50	P3 *	----	Make "Line Test" at 1400 on 3000 scale.
17BE3	20.0	1C00-A070	0	55	P3 *	----	Make "Line Test" at 1400 on 3000 scale.
17BF11	20.0	1C80-BA90	19	91	P4	6500	Pent. No. 1. Make "Line Test" at 1400 on 3000 scale.
17BF11 17BH3	20.0 20.0	1C30-7625 4500-2090	10 0	30 50	P4 P3 *	550 ----	Pent. No. 2 Make "Line Test" at 1400 on 3000 scale.
17BS3	20.0	4500-2090	0	60	P3 *	----	Make "Line Test" at 1400 on 3000 scale.
17BZ3	20.0	1C00-A070	0	86	P1 *	----	Make "Line Test" at 1500 on 3000 scale.
17C9 17C9	20.0 20.0	4570-9860 4510-32A0	18 18	80 80	P4 P4	3000 3000	Tetrode No. 1) Make "Line Test" Tetrode No. 2) Test" at 1350 on 3000 scale.
17GE5	20.0	1CB0-72A0	27	92	--	7500	Hold down P1 and Press P4. Make "Line Test" at 1350 on 3000 scale.
17GJ5	20.0	4560-0730	32	91	--	7000	CAP = P on adapter. Hold down P1 and Press P4. Make "Line Test" at 1450 on 3000 scale.
17GT5	20.0	4560-9730	35	89	--	5400	Hold down P1 and Press P4. Make "Line Test" at 1450 on 3000 scale.
17GV5	20.0	1C90-0BA0	28	93	--	7500	CAP = P on adapter. Hold down P1 and Press P4. Make "Line Test" at 1450 on 3000 scale.
17JB6	20.0	4520-0138	32	91	--	7000	CAP = P on adapter. Hold down P1 and Press P4. Make "Line Test" at 1300 on 3000 scale.
17JG6 A	20.0	4520-9736	35	92	--	8300	Hold down P1 and Press P4. Make "Line Test" at 1400 on 3000 scale.
17JM6	20.0	1C50-032A	43	91	P4	6500	CAP = P on adapter. Make "Line Test" at 1450 on 3000 scale.
17JN6	20.0	1CB0-7324	43	91	P4	6500	Make "Line Test" at 1450 on 3000 scale.

MODEL 800 TUBE TESTER

NOTE: Set TESTER Selectors to BS-3568-7

TUBE TYPE	FIL.	ADAPTER SELECTORS	BIAS	ENG.	PRESS	MUT. COND.	NOTATIONS
17JT6	20.0	4520-9736	44	90	P4	6000	Make "Line Test" at 1400 on 3000 scale.
17JZ8	20.0	1C70-4890	35	89	P4	5250	Pentode Sect. Make "Line Test" at 1400 on 3000 scale.
17JZ8 17LD8	20.0 20.0	1CA0-20B0 4520-6730	31 38	57 91	P4 P4	1300 3900	Triode Sect. Pent. Sect. Make "Line Test" at 1400 on 3000 scale.
17LD8	20.0	4590-8010	30	73	P4	1100	Triode Sect.
17X10	20.0	1C70-4685	6	52	P4	700	Limiter Grid. Make "Line Test" at 1400 on 3000 scale.
17X10 17X10	20.0 20.0	1C50-4687 1CB0-9230	6 35	43 82	P4 P4	500 3000	Quadrature Grid Pentode No. 2
19Q9 19Q9	20.0 20.0	4510-32A6 4580-9076	10 17	80 88	P4 P4	2800 5000	Pentode Sect. Triode Sect.
21GY5 21HB5 21HD5 21HJ5 21JV6 21JZ6	20.0 20.0 20.0 20.0 20.0 20.0	1C50-07A0 1CB0-72A0 1CB0-79A0 1CB0-792A 1CB0-732A 1C50-0324	63 62 58 62 55 57	89 89 89 90 90 88	P4 P4 P4 P4 P4 P4	5800 5600 5400 6500 5500 5500	CAP = P on Adapter
21KA6 21LR8 21LR8 21LU8 21LU8 22BH3	20.0 20.0 20.0 20.0 20.0 20.0	1C50-03A4 4520-6730 4590-8010 1C60-4890 1CA0-20B0 4500-2090	58 40 24 40 24 0	86 87 61 87 61 50	P4 P4 P4 P4 P4 P3 *	4000 4400 1300 4400 1300 ----	CAP = P on Adapter Pentode Sect. Triode Sect. Triode Sect. Make "Line Test" at 1750 on 3000 scale.
22BW3 22JF6	25.0 20.0	1C00-A070 4520-0738	0 35	55 92	P3 * --	---- 8300	Cap = P on Adapter. Hold down P1 and Press P4. Hold down P1 and Press P4. CAP = P on Adapter
22JG6 22JU6 23Z9 23Z9 23Z9	20.0 20.0 25.0 25.0 25.0	4520-9736 4520-0738 1C80-5970 1CA0-B070 1C30-2070	35 59 35 20 30	92 88 86 77 67	-- P4 P4 P4 P4	8300 4300 4000 2400 1600	Pentode Sect. Triode No. 1 Triode No. 2
24GA7 24GA7 28HD5 30AG11	25.0 25.0 25.0 35.0	1C40-7350 1C00-B080 1CB0-79A0 1C50-6040	55 0 58 15	89 54 89 85	P4 P3 * P4 P4	4600 ---- 5400 3100	Pentode Sect. Diode Sect. Triode No. 1. Make "Line Test" at 1300 on 3000 scale.
30AG11 30AG11 30AG11	35.0 35.0 35.0	1C80-7090 1C00-A0B0 1C00-3020	15 0 0	85 78 78	P4 P1 * P1 *	3100 ---- ----	Triode No. 2 Diode No. 1 Diode No. 2
31JS6A 32GA7 32GA7 33GT7	35.0 35.0 35.0 35.0	1C50-0324 1C40-7350 1C00-B080 1CB0-5A80	60 55 0 32	89 89 54 91	P4 P4 P3 * --	4500 4600 ---- 6750	CAP = P on Adapter Pentode Sect. Diode Sect. Pentode Sect. Hold down P1 and Press P4
33GT7	35.0	1C00-2040	0	77	P3 *	----	Diode Sect.
33GY7	35.0	1CA0-5B80	32	91	--	6750	Pentode Sect. Hold down P1 and Press P4
33GY7 33JV6 34CD3 34CE3	35.0 35.0 35.0 35.0	1C00-2040 1CB0-732A 1C00-A070 1C00-4070	0 55 0 0	77 90 79 79	P3 * P4 P3 * P3 *	---- 5500 ---- ----	Diode Sect. OK above Diodes OK

MODEL 800 TUBE TESTER

NOTE: Set TESTER Selectors to BS-3568-7

TUBE TYPE	FIL.	ADAPTER SELECTORS	BIAS	ENG.	PRESS	MUT. COND.	NOTATIONS
38HE7	50.0	1C90-5B80	50	90	P4	6000	Pentode Sect. Make "Line Test" at 1400 on 3000 scale.
38HE7	50.0	1C00-2040	0	84	P1 *	----	Diode Sect.
38HK7	35.0	1C90-5B80	54	87	P4	5000	Pentode Sect.
38HK7	35.0	1C00-2040	0	87	P1 *	----	Diode Sect.
42KN6	50.0	1C50-0324	62	86	P4	4000	CAP = P on Adapter
7586	6.3	AC40-2080	25	85	P4	4000	
7587	6.3	AC40-0280	14	82	P4	3000	CAP = P on Adapter
7868	6.3	4560-9730	18	89	P4	4800	
7895	6.3	AC40-2080	21	80	P4	2800	
7984	12.6	1CA0-3B90	42	91	P4	7250	
8056	6.3	AC40-2080	0	73	P1 *	----	OK above 1300 on 3000 scale Make no Gas Test
8058	6.3	AC00-0080	18	84	P4	3500	CAP = P, SHELL = G on Adapter
8149	12.6	1CA0-7890	45	91	P4	5500	
8150	12.6	1CA0-0860	45	91	P4	5500	CAP = P on Adapter
8156	12.6	1CA0-3760	41	90	P4	5000	
8203	6.3	AC40-2080	27	79	P4	2600	
8393	12.6	AC40-2080	25	86	P4	3800	

OPERATING DATA
FOR THE
MODEL CA-4 ADAPTER
WHEN USED WITH
MODEL 539B
ROLL CHART TUBE TESTER



- Note 1:** The letter, in the column that precedes the Mutual Conductance Reading, indicates the setting for the Function Switch.
- Note 2:** A * in the Bias column indicates Bias should be set at 40 Volts and proper button pressed while Bias control is rotated until tube strikes. The striking voltages on the chart are nominal values and reference to handbook critical grid characteristic thyratron curves will reveal appreciable variations from these average values.
- Note 3:** A star ★ indicates Emission Test only and good tubes should read above mark, Rectifiers and Diodes O.K.
- Note 4:** Mutual Conductance Values are minimum. Discard tubes which read lower.
- Note 5:** Adjust Bias Volts after P4 is pressed for Mutual Conductance Readings.
- Note 6:** A symbol (♣) in the Notations column indicates that Short on Position A is normal.

INSTRUCTIONS FOR USING THE MODEL CA-4 COMPACTRON ADAPTER
WITH A ROLL-CHART TUBE TESTER

The Hickok Model CA-4 Compactron Adapter is used in conjunction with Hickok CARDMATIC and Roll-Chart tube testers to test Compactrons, Novars, 5 and 7-pin Nuvistors, and 10-pin header tubes.

The CA-4 Adapter consists of:

- a) Eight (8) rotary switches which are used to select the pins of each individual element of the tube to be tested.
- b) Five (5) tube sockets.
- c) Three (3) jacks labeled "G", "P", and "K" which are used for connection to the tube top cap.
- d) A test plug which is connected to the CA-4 by a cable. This test plug is inserted into the octal socket of the tube tester that is to be used with the CA-4. The following table lists the pin numbers of the test plug and the associated tube element switch.

OCTAL PLUG PIN NUMBER	TUBE ELEMENT SWITCH
1	FILAMENT
2	FILAMENT
3	GRID A
4	GRID B
5	PLATE
6	SCREEN
7	CATHODE
8	SUPPRESSOR

The tube element switch settings on the adapter are connected in parallel with the pins of each tube socket mounted on the CA-4. The following table lists the switch and the associated pin number of the tube sockets.

SWITCH SETTINGS	PIN NUMBERS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
B	11
C	12
D	No Connection
0	No Connection

The three jacks marked "G", "P", and "K" located on the left side of the adapter are internally connected to their respective element switch (grid, plate, and cathode). They are used for cap connections (test lead supplied). The proper top cap connection is indicated in the NOTATIONS column of the chart on the following pages.

CAUTION

When using the CA-4 with a Roll-Chart tube tester set the element switches as specified before inserting the tube to be tested.

MODEL 539B TUBE TESTER
Supplementary Data - CA-4 Adapter

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
1AD2	1.4	1C00-0000	0.0	---	P5	G *	▲ CAP = P on Adapter
2AH2	2.5	1C00-0000	0.0	0	P5	G *	CAP = P on Adapter
2AS2	2.5	1C00-0000	0.0	0	P5	G *	CAP = P on Adapter
2CW4	2.0	AC40-2080	0.5	---	P4	C 5000	PLATE VOLTS = LOW
2DS4	2.0	AC40-2080	0.4	---	P4	C 4700	PLATE VOLTS = LOW
2DV4	2.0	AC60-1070	1.0	---	P4	C 7500	PLATE VOLTS = LOW
3AT2	3.0	1C00-0000	0.0	17	P5	G *	CAP = P on Adapter
3AW2	3.0	2C00-0000	0.0	20	P5	G *	CAP = P on Adapter
4HA7	4.3	1C90-A040	2.2	---	P4	D 2050	Triode No. 1
4HA7	4.3	1CB0-2030	2.0	---	P4	E 375	Triode No. 2
4HC7	4.3	1C90-A040	0.6	---	P4	C 2850	Triode No. 1
4HC7	4.3	1CB0-2030	2.4	---	P4	E 375	Triode No. 2
5BC3	5.0	1300-9000	0.0	85	P3	G *	▲ Plate No. 1
5BC3	5.0	1300-5000	0.0	83	P3	G *	▲ Plate No. 2
5HA7	5.0	1C90-A040	2.2	---	P4	D 2050	Triode No. 1
5HA7	5.0	1CB0-2030	2.0	---	P4	E 375	Triode No. 2
5HC7	5.0	1C90-A040	0.6	---	P4	C 2850	Triode No. 1
5HC7	5.0	1CB0-2030	2.4	---	P4	E 375	Triode No. 2
6AC9	6.3	1C90-BA87	1.0	---	P4	C 4400	Pentode Sect.
6AC9	6.3	1C00-3040	0.0	18	P1	G *	Diode No. 1
6AC9	6.3	1C00-2030	0.0	18	P1	G *	Diode No. 2
6AC10	6.3	1C90-A040	1.0	---	P4	C 3450	Triode No. 1
6AC10	6.3	1C70-5060	1.0	---	P4	C 3450	Triode No. 2
6AC10	6.3	1CB0-2030	1.0	---	P4	C 3450	Triode No. 3
6AD10	6.3	1C30-7625	1.8	---	P4	D 1400	Pentode No. 1
6AD10	6.3	1C80-BA90	0.6	---	P4	C 3300	Pentode No. 2
6AF11	6.3	1CB0-2A90	1.6	---	P4	C 4500	Pentode Sect.
6AF11	6.3	1C60-8050	1.1	---	P4	C 2800	Triode No. 1
6AF11	6.3	1C30-4070	0.7	---	P4	C 1700	Triode No. 2
6AG11	6.3	1C50-6040	1.0	---	P4	C 4900	Triode No. 1
6AG11	6.3	1C80-7090	1.0	---	P4	C 4900	Triode No. 2
6AG11	6.3	1C00-A0B0	0.0	0	P1	G *	Diode No. 1
6AG11	6.3	1C00-3020	0.0	0	P1	G *	Diode No. 2
6AL11	6.3	1C80-BA90	2.2	---	P4	C 3500	Pentode No. 1
6AL11	6.3	1C30-6724	3.0	---	P4	E 525	Pentode No. 2
6AR11	6.3	1CA0-89B7	0.2	---	P4	C 5600	Pentode No. 1
6AR11	6.3	1C50-2364	0.2	---	P4	C 5600	Pentode No. 2
6AS11	6.3	1CB0-2A90	1.8	---	P4	C 4700	Pentode Sect.
6AS11	6.3	1C60-8050	0.6	---	P4	D 2700	Triode No. 1
6AS11	6.3	1C30-4070	1.4	---	P4	D 2700	Triode No. 2
6AV11	6.3	1C90-A040	3.0	---	P4	E 1600	Triode No. 1
6AV11	6.3	1C70-5060	3.0	---	P4	E 1600	Triode No. 2
6AV11	6.3	1CB0-2030	3.0	---	P4	E 1600	Triode No. 3
6AX3	6.3	1C00-4070	0.0	89	P3	G *	
6AY3	6.3	4500-2090	0.0	87	P3	G *	
6AY11	6.3	1C80-7090	1.3	---	P4	D 1100	Triode No. 1
6AY11	6.3	1C50-6040	1.3	---	P4	D 1100	Triode No. 2
6AY11	6.3	1C00-A0B0	0.0	0	P1	G *	Diode No. 1
6AY11	6.3	1C00-3020	0.0	0	P1	G *	Diode No. 2
6B10	6.3	1C50-6070	3.0	---	P4	D 1600	Triode No. 1
6B10	6.3	1C30-4020	3.0	---	P4	D 1600	Triode No. 2
6B10	6.3	1C00-A090	0.0	0	P1	G *	Diode No. 1
6B10	6.3	1C00-8090	0.0	0	P1	G *	Diode No. 2

MODEL 539B TUBE TESTER

MODEL 539B TUBE TESTER

NOTE: Set Tester Selectors to BS-3567-8

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Table with 8 columns: TUBE TYPE, FIL, ADAPTER SELECTORS, BIAS VOLTS, SHUNT, PRESS, MIN. MUT. COND., NOTATIONS. Rows include tube types like 6BA3, 6BE3, 6BJ3, 6BS3, 6CD3, 6D10, 6FJ7, 6G11, 6GF7.

Table with 8 columns: TUBE TYPE, FIL, ADAPTER SELECTORS, BIAS VOLTS, SHUNT, PRESS, MIN. MUT. COND., NOTATIONS. Rows include tube types like 6GT5, 6HE7, 6J10, 6JE6, 6JF6, 6K11, 6KD6, 6LR8, 6MD8, 6T9.

MODEL 539B TUBE TESTER

NOTE: Set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
6T10	6.3	1C80-BA90	2.2	---	P4	C 3800	Pentode No. 1
6T10	6.3	1C30-7625	1.6	---	P4	E 380	Pentode No. 2
6U10	6.3	1C90-A040	3.8	---	P4	E 1225	Triode No. 1
6U10	6.3	1C70-5060	2.2	---	P4	E 375	Triode No. 2
6U10	6.3	1CB0-2030	3.8	---	P4	E 1225	Triode No. 3
6Y10	6.3	1C80-BA90	2.7	---	P4	D 3300	Pentode No. 1
6Y10	6.3	1C30-7625	1.5	---	P4	E 900	Pentode No. 2
6Z10	6.3	1C70-4685	0.0	---	P4	E 250	Pentode No. 1 Plate Volts = LOW
6Z10	6.3	1CB0-9230	2.6	---	P4	C 4300	Pentode No. 2
8AC9	7.5	1C90-BA87	1.0	---	P4	C 4400	Pentode Sect.
8AC9	7.5	1C00-3040	0.0	18	P1	G *	Diode No. 1
8AC9	7.5	1C00-2030	0.0	18	P1	G *	Diode No. 2
8AR11	7.5	1CA0-89B7	0.2	---	P4	C 5600	Pentode No. 1
8AR11	7.5	1C50-2364	0.2	---	P4	C 5600	Pentode No. 2
8B10	7.5	1C50-6070	4.4	---	P4	D 1700	Triode No. 1. Set Power Adjust to 114V.
8B10	7.5	1C30-4020	4.4	---	P4	D 1700	Triode No. 2
8B10	7.5	1C00-A090	0.0	0	P1	G *	Diode No. 1
8B10	7.5	1C00-8090	0.0	0	P1	G *	Diode No. 2
8BA11	7.5	1C40-6387	1.0	---	P4	D 500	Pentode No. 1
8BA11	7.5	1C40-2385	1.0	---	P4	D 500	Pentode No. 2
8BA11	7.5	1C90-BOA0	4.8	---	P4	D 1250	Triode Sect.
8BM11	7.5	1CB0-79A8	1.0	---	P4	C 3800	Pentode No. 1
8BM11	7.5	1C60-2354	1.2	---	P4	C 3500	Pentode No. 2
8BQ11	7.5	1CA0-89B7	0.0	---	P4	C 6300	Pentode No. 1
8BQ11	7.5	1C50-2364	0.4	---	P4	C 6500	Pentode No. 2
8BU11	7.5	1C80-A9B0	1.0	---	P4	D 3000	Pentode Sect.
8BU11	7.5	1C60-7050	1.6	---	P4	C 4000	Triode No. 1
8BU11	7.5	1C40-3020	1.6	---	P4	C 4000	Triode No. 2
9BJ11	10.0	1CB0-79A8	1.0	---	P4	D 1650	Pentode No. 1
9BJ11	10.0	1C60-2354	1.0	---	P4	C 4400	Pentode No. 2
10AL11	10.0	1C80-BA90	2.2	---	P4	C 3500	Pentode No. 1
10AL11	10.0	1C30-6724	3.0	---	P4	E 525	Pentode No. 2
10GF7	10.0	4590-8010	2.0	---	P4	E 600	Triode No. 1
10GF7	10.0	4520-6030	16.0	---	P4	C 5000	Triode No. 2
10J10	10.0	1C70-4685	0.0	---	P4	E 250	Pentode No. 1 Plate Volts = LOW
10J10	10.0	1CB0-9230	2.6	---	P4	C 4300	Pentode No. 2
11AR11	12.6	1CA0-89B7	0.2	---	P4	C 5300	Pentode No. 1. Set Power Adjust to 91V.
11AR11	12.6	1C50-2364	0.2	---	P4	C 5300	Pentode No. 2
11BQ11	12.6	1CA0-89B7	0.6	---	P4	C 4400	Pentode No. 1. Keep Power
11BQ11	12.6	1C50-2364	0.6	---	P4	C 5000	Pentode No. 2
11BT11	10.0	1CB0-2A86	1.0	---	P4	B 9500	Pentode Sect.
11BT11	10.0	1C50-7060	0.8	---	P4	D 3500	Triode No. 1
11BT11	10.0	1C30-9040	2.0	---	P4	D 3600	Triode No. 2
11FY7	10.0	1CA0-B090	1.2	---	P4	D 1050	Triode No. 1
11FY7	10.0	1C30-5070	12.5	---	P4	C 6900	Triode No. 2
12AE10	12.6	1C80-BA90	5.8	---	P4	D 1900	Pentode No. 1
12AE10	12.6	1C30-7625	3.0	---	P4	E 1000	Pentode No. 2
12AL11	12.6	1C80-BA90	2.2	---	P4	C 3500	Pentode No. 1
12AL11	12.6	1C30-6724	3.0	---	P4	E 525	Pentode No. 2
12AX3	12.6	1C00-4070	0.0	89	P3	G *	

MODEL 539B TUBE TESTER

NOTE: Set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
12AY3	12.6	4500-2090	0.0	87	P3	G *	
12BE3	12.6	1C00-A070	0.0	91	P3	G *	
12BF11	12.6	1C80-BA90	6.4	---	P4	C 3900	Pentode No. 1
12BF11	12.6	1C30-7625	2.2	---	P4	E 375	Pentode No. 2
12BS3	12.6	4500-2090	0.0	85	P3	G *	
12BT3	12.6	1C00-4070	0.0	90	P3	G *	
12G11	12.6	1C80-BA90	1.8	---	P4	D 2700	Pentode No. 1
12G11	12.6	1C30-6724	3.0	---	P4	E 300	Pentode No. 2
12GE5	12.6	1CB0-72A0	15.0	---	P4	C 3500	
12GJ5	12.6	4560-0730	6.0	---	---	C 4000	CAP = P on Adapter. Hold down P1 and Press P4
12GT5	12.6	4560-9730	6.0	---	---	C 4000	Hold down P1 and Press P4
12GV5	12.6	1C90-0BA0	22.0	---	P4	C 4400	CAP = P on Adapter
12HE7	12.6	1C90-5B80	15.0	---	P4	C 4700	Pentode Sect.
12HE7	12.6	1C00-2040	0.0	89	P3	G *	Diode Sect.
12JB6	12.6	4520-0138	5.3	---	---	C 4400	CAP = P on Adapter. Hold down P1 and Press P4
12JN6	12.6	1CB0-7324	12.0	---	P4	C 4100	
12JT6	12.6	4520-9736	22.0	---	P4	C 4100	
12T10	12.6	1C80-BA90	2.2	---	P4	C 3800	Pentode No. 1
12T10	12.6	1C30-7625	1.6	---	P4	E 380	Pentode No. 2
13CW4	12.6	AC40-2080	0.5	---	P4	C 5000	Plate Volts = Low
13FM7	12.6	1CA0-B090	2.6	---	P4	E 600	Triode No. 1
13FM7	12.6	1C80-5070	16.0	---	P4	C 4500	Triode No. 2
13GF7	12.6	4590-8010	2.0	---	P4	E 600	Triode No. 1
13GF7	12.6	4520-6030	16.0	---	P4	C 5000	Triode No. 2
13J10	12.6	1C70-4685	0.0	---	P4	E 250	Pent. No.1. Plate Volts = LOW
13J10	12.6	1CB0-9230	2.6	---	P4	C 4300	Pentode No. 2
13V10	12.6	1C80-BA90	3.4	---	P4	C 3100	Pentode No. 1
13V10	12.6	1C30-7625	2.8	---	P4	E 440	Pentode No. 2
13Z10	12.6	1C70-4685	0.0	---	P4	E 250	Pent. No.1. Plate Volts = LOW
13Z10	12.6	1CB0-9230	2.6	---	P4	C 4300	Pentode No. 2
14BL11	12.6	1CB0-2A80	1.4	---	P4	C 7500	Pentode Sect.
14BL11	12.6	1C50-7060	0.6	---	P4	C 3800	Triode No. 1
14BL11	12.6	1C30-9040	2.0	---	P4	C 4400	Triode No. 2
14BR11	12.6	1C20-B340	0.5	---	P4	C 4700	Pentode Sect.
14BR11	12.6	1C80-6050	1.0	---	P4	C 3900	Triode No. 1
14BR11	12.6	1CA0-9070	1.0	---	P4	C 3100	Triode No. 2
15AF11	12.6	1CB0-2A90	2.0	---	P4	C 5600	Pent. Sect.) Set "Power Triode No. 1) Adjust"
15AF11	12.6	1C60-8050	1.2	---	P4	C 4400	Triode No. 2) at 118V
15AF11	12.6	1C30-4070	1.5	---	P4	D 3100	Triode No. 2) at 118V
15BD11	12.6	1CB0-2A90	2.8	---	P4	C 4000	Pent. Sect.) Set "Power Triode No. 1) Adjust"
15BD11	12.6	1C60-8050	1.1	---	P4	C 3500	Triode No. 1) Adjust"
15BD11	12.6	1C30-4070	2.0	---	P4	D 3000	Triode No. 2) at 112V.
15FM7	12.6	1CA0-B090	3.4	---	P4	E 600	Triode No. 1) Set "Power Triode No. 2) Adjust" at 112V
15FM7	12.6	1C80-5070	21.0	---	P4	C 4500	Triode No. 1) Set "Power Triode No. 2) Adjust" at 118V
15FY7	12.6	1CA0-B090	2.8	---	P4	E 440	Triode No. 1) Set "Power Triode No. 2) Adjust" at 118V
15FY7	12.6	1C30-5070	30.0	---	P4	C 6700	Triode No. 1) Set "Power Triode No. 2) Adjust" at 118V
15KY8	20.0	4520-6730	3.6	---	P4	D 2500	Pent. Sect.) Set "Power Triode Sect.) Adjust" at 75V.
15KY8	20.0	4590-8010	0.2	---	P4	E 570	Triode Sect.) Adjust" at 75V.
16GY5	20.0	1C90-0BA0	18.0	---	P4	C 3900	CAP = P on Adapter. Set "Power Adjust" at 80V
16KA6	20.0	1C50-03A4	17.0	---	P4	C 4100	CAP = P. Keep Power Adjust at 84 Volts.

MODEL 539B TUBE TESTER

MODEL 539B TUBE TESTER

NOTE: Set Tester Selectors to BS-3567-8

NOTE: Set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
17AB10	20.0	1C70-4685	0.0	---	P4	E 250	Limiter Grid. Plate Volts = LOW Set "Cathode Activity" Switch to Test Pos.
17AB10	20.0	1C50-4687	0.8	---	P4	D 575	Quadrature Grid Plate Volts = LOW Set "Cathode Activity" Switch to Test Pos.
17AB10	20.0	1CB0-9230	8.0	---	P4	C 3100	Pent. No. 2 Plate Volts = NORMAL
17AX3	20.0	1C00-4070	0.0	88	P3	G *	Set "Power Adjust" at 90V.
17AY3	20.0	4500-2090	0.0	84	P3	G *	Set "Power Adjust" at 84V.
17BE3	20.0	1C00-A070	0.0	90	P3	G *	Set "Power Adjust" at 90V.
17BF11	20.0	1C80-BA90	4.8	---	P4	C 3900	Pentode No. 1) Set "Power
17BF11	20.0	1C30-7625	1.2	---	P4	E 375	Pentode No. 2) Adjust" at 90V
17BH3	20.0	4500-2090	0.0	84	P3	G *	Set "Power Adjust" at 84V.
17BS3	20.0	4500-2090	0.0	80	P3	G *	Set "Power Adjust" at 84V.
17BZ3	20.0	1C00-A070	0.0	17	P1	G *	Keep Power Adjust at 86V.
17C9	20.0	4570-9860	1.2	---	P4	D 2500	Tetrode No. 1) Set "Power
17C9	20.0	4510-32A0	1.2	---	P4	D 2500	Tetrode No. 2) Adjust" at 80V.
17GE5	20.0	1CB0-72A0	2.0	---	---	C 4700	Hold down P1 and Press P4 Set "Power Adjust" at 85V.
17GJ5	20.0	4560-0730	5.3	---	---	C 4400	CAP = P on Adapter. Hold down P1 and Press P4 Set "Power Adjust" at 94V.
17GT5	20.0	4560-9730	5.3	---	---	C 4400	Hold down P1 and Press P4 Set "Power Adjust" at 94V.
17GV5	20.0	1C90-0BA0	2.2	---	---	C 4600	CAP = P on Adapter Hold down P1 and Press P4 Set "Power Adjust" at 85V.
17JB6	20.0	4520-0138	5.3	---	---	C 4400	CAP = P on Adapter Hold down P1 and Press P4. Set "Power Adjust" at 94V.
17JG6A	20.0	4520-9736	6.0	---	---	C 5900	Hold down P1 and Press P4. Keep Power Adjust at 84V.
17JM6	20.0	1C50-032A	12.0	---	P4	C 4100	CAP = P on Adapter. Set "Cathode Activity" switch to Test Pos.
17JN6	20.0	1CB0-7324	12.0	---	P4	C 4100	Set "Cathode Activity" switch to Test Pos.
17JT6	20.0	4520-9736	22.0	---	P4	C 4100	Set "Cathode Activity" switch to Test Pos.
17JZ8	20.0	1C70-4890	7.4	---	P4	C 2750	Pentode Sect.) Set "Power
17JZ8	20.0	1CA0-20B0	4.8	---	P4	E 725	Triode Sect.) Adjust" at 89V.
17LD8	20.0	4520-6730	4.6	---	P4	D 2800	Pentode Sect.) Set "Power
17LD8	20.0	4590-8010	3.6	---	P4	E 975	Triode Sect.) Adjust" at 85V.
17X10	20.0	1C70-4685	0.0	---	P4	E 250	Limiter Grid. Plate Volts = LOW. Set "Cathode Activity" switch to Test Pos.
17X10	20.0	1C50-4687	0.8	---	P4	D 575	Quadrature Grid. Plate Volts= LOW. Set "Cathode Activity" switch to Test Pos.
17X10	20.0	1CB0-9230	8.0	---	P4	C 3100	Pentode No. 2 Plate Volts = NORMAL
19Q9	20.0	4510-32A6	1.4	---	P4	C 2850	Pentode Sect.
19Q9	20.0	4580-9076	1.4	---	P4	C 4400	Triode Sect.
21GY5	20.0	1C50-07A0	17.0	---	P4	C 4800	CAP = P on Adapter.

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
21HB5	20.0	1CB0-72A0	3.2	---	P4	C 4250	
21HD5	20.0	1CB0-79A0	15.0	---	P4	C 4500	
21HJ5	20.0	1CB0-792A	16.0	---	P4	C 4500	
21JV6	20.0	1CB0-732A	15.0	---	P4	C 4700	
21JZ6	20.0	1C50-032A	16.0	---	P4	C 4400	CAP = P on Adapter
21KA6	20.0	1C50-03A4	17.0	---	P4	C 4100	CAP = P on Adapter
21LR8	20.0	4520-6730	10.0	---	P4	C 3500	Pentode Sect.
21LR8	20.0	4590-8010	3.6	---	P4	E 650	Triode Sect.
21LU8	20.0	1C60-4890	10.0	---	P4	C 3500	Pentode Sect.
21LU8	20.0	1CA0-20B0	3.6	---	P4	E 650	Triode Sect.
22BH3	20.0	4500-2090	0.0	84	P3	G *	Set "Power Adjust" at 110V.
22BW3	20.0	1C00-A070	0.0	87	P3	G *	Set "Power Adjust" at 90V.
22JF6	20.0	4520-0738	6.0	---	---	C 5900	CAP = P on Adapter Hold down P1 and Press P4
22JG6	20.0	4520-9736	6.0	---	---	C 5900	Hold down P1 and Press P4
22JU6	20.0	4520-0738	20.0	---	P4	C 5000	CAP = P on Adapter.
23Z9	25.0	1C80-5970	7.0	---	P4	C 3400	Pentode Sect.
23Z9	25.0	1CA0-B070	2.0	---	P4	D 2400	Triode No. 1
23Z9	25.0	1C30-2070	5.0	---	P4	D 1400	Triode No. 2
24GA7	25.0	1C40-7350	12.0	---	P4	D 2600	Pentode Sect.
24GA7	25.0	1C00-B080	0.0	77	P3	G *	Diode Sect.
28HD5	25.0	1CB0-79A0	15.0	---	P4	C 4500	
30AG11	35.0	1C50-6040	0.6	---	P4	C 4900	Triode No. 1) Set "Power
30AG11	35.0	1C80-7090	0.6	---	P4	C 4900	Triode No. 2) Adjust"
30AG11	35.0	1C00-A0B0	0.0	0	P1	G *	Diode No. 1) at
30AG11	35.0	1C00-3020	0.0	0	P1	G *	Diode No. 2) 84V.
31JS6A	35.0	1C50-032A	25.0	---	P4	C 3150	CAP = P on Adapter
32GA7	35.0	1C40-7350	12.0	---	P4	D 2600	Pentode Sect.
32GA7	35.0	1C00-B080	0.0	77	P3	G *	Diode Sect.
33GT7	35.0	1CB0-5A80	5.2	---	---	C 4550	Pentode Sect. Hold down P1 and Press P4
33GT7	35.0	1C00-2040	0.0	90	P3	G *	Diode Sect.
33GY7	35.0	1CA0-5B80	5.2	---	---	C 4550	Pentode Sect. Hold down P1 and Press P4
33GY7	35.0	1C00-2040	0.0	90	P3	G *	Diode Sect.
33JV6	35.0	1CB0-732A	15.0	---	P4	C 4700	
34CD3	35.0	1C00-A070	0.0	90	P3	G *	
34CE3	35.0	1C00-4070	0.0	91	P3	G *	
38HE7	50.0	1C90-5B80	12.0	---	P4	C 4700	Pentode Sect.) Set "Power
38HE7	50.0	1C00-2040	0.0	88	P3	G *	Diode Sect.) Adjust" at 90V
38HK7	35.0	1C90-5B80	16.0	---	P4	C 4100	Pentode Sect.
38HK7	35.0	1C00-2040	0.0	21	P1	G *	Diode Sect.
42KN6	50.0	1C50-032A	32.0	---	P4	C 4400	CAP = P on Adapter Keep Power Adjust at 92V.
7586	6.3	AC40-2080	0.8	---	P4	C 7800	Plate Volts = LOW
7587	6.3	AC40-0280	1.0	---	---	C 4100	CAP = P on Adapter Hold down P1 and Press P4
7868	6.3	4560-9730	2.0	---	P4	C 4750	
7895	6.3	AC40-2080	1.8	---	P4	C 5000	
7984	12.6	1CA0-3B90	12.0	---	P4	D 3200	
8056	6.3	AC40-2080	0.0	0	P1	G *	OK above 750 on 3000 scale. Make no Gas Test.
8058	6.3	AC00-0080	1.0	---	P4	C 6500	CAP = P, SHELL = G on Adapter.
8149	12.6	1CA0-7890	13.0	---	P4	D 3100	

MODEL 539B TUBE TESTER

NOTE: Set Tester Selectors to BS-3587-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	SHUNT	PRESS	MIN. MUT. COND.	NOTATIONS
8150	12.6	1CA0-0860	13.0	---	P4	D 3100	CAP = P on Adapter
8156	12.6	1CA0-3760	9.0	---	P4	D 3600	
8203	6.3	AC40-2080	3.4	---	P4	C 3450	
8393	12.6	AC40-2080	2.8	---	P4	C 5000	

OPERATING DATA
FOR THE
MODEL CA-4 ADAPTER
WHEN USED WITH
MODEL 1575
ROLL CHART TUBE TESTER

Hickok

- ★ A star in the MIN. TRANSCOND. column indicates that the FUNCTION SWITCH should be set on SHUNT, the SHUNT potentiometer should be set to the value indicated, and the tube should be tested with respect to the RECTIFIER & DIODES OK index mark on the meter scale.
- * This symbol in the PRESS column requires hold down of P1 button and then Press P4 (GM switch) for a reading.
- ‡ This symbol in BIAS VOLTS column indicates BIAS VOLTS is initially set at maximum on 50 V range. Then operate P2 or P3 as specified and reduce BIAS VOLTS with BIAS ADJUST control until the tube strikes. Tube is OK if reading equals or exceeds RECTIFIERS & DIODES OK mark at BIAS VOLTS striking point specified under NOTATIONS.
- ⊕ This symbol in BIAS VOLTS column with zero (0) BIAS VOLTS listed indicates a SELF BIAS resistor of the value given under NOTATIONS is required. When this symbol follows the tube type number it indicates that the self bias test is preferable.
- ⊙ This symbol stands for "Cathode Activity Limit".

INSTRUCTIONS FOR USING THE MODEL CA-4 COMPACTRON ADAPTER
WITH A ROLL-CHART TUBE TESTER

The Hickok Model CA-4 Compactron Adapter is used in conjunction with Hickok CARDMATIC and Roll-Chart tube testers to test Compactrons, Novars, 5 and 7-pin Nuvistors, and 10-pin header tubes.

The CA-4 Adapter consists of:

- a) Eight (8) rotary switches which are used to select the pins of each individual element of the tube to be tested.
- b) Five (5) tube sockets.
- c) Three (3) jacks labeled "G", "P", and "K" which are used for connection to the tube top cap.
- d) A test plug which is connected to the CA-4 by a cable. This test plug is inserted into the octal socket of the tube tester that is to be used with the CA-4. The following table lists the pin numbers of the test plug and the associated tube element switch.

OCTAL PLUG PIN NUMBER	TUBE ELEMENT SWITCH
1	FILAMENT
2	FILAMENT
3	GRID A
4	GRID B
5	PLATE
6	SCREEN
7	CATHODE
8	SUPPRESSOR

The tube element switch settings on the adapter are connected in parallel with the pins of each tube socket mounted on the CA-4. The following table lists the switch and the associated pin number of the tube sockets.

SWITCH SETTINGS	PIN NUMBERS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
B	11
C	12
D	No Connection
0	No Connection

The three jacks marked "G", "P", and "K" located on the left side of the adapter are internally connected to their respective element switch (grid, plate, and cathode). They are used for cap connections (test lead supplied). The proper top cap connection is indicated in the NOTATIONS column of the chart on the following pages.

CAUTION

When using the CA-4 with a Roll-Chart tube tester set the element switches as specified before inserting the tube to be tested.

MODEL 1575 TUBE TESTER

Supplementary Data - CA-4 Adapter

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3568-7

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	FUNCT SHUNT	PRESS	MIN. MUT.COND.	NOTATIONS
1AD2	1.5	1C00-0000	0.0	Lo-6	P2	----	CAP = P on Adapter. Set Function Switch on Low 6000. OK above 800 on 6000 scale.
2AH2	2.5	1C00-0000	0.0	Lo-6	P2	----	CAP = P on Adapter. Set Function Switch on Low 6000. OK above Diodes OK.
2AS2	2.5	1C00-0000	0.0	Hi-3	P2	----	CAP = P on Adapter. Set Function Switch on 3000. OK above 500 on 3000 scale.
2CW4	2.0	AC40-2080	0.5	Lo-15	P4	4400	Pit-Scrn Low
2DS4	2.0	AC40-2080	0.5	Lo-15	P4	4000	Pit-Scrn Low
2DV4	2.0	AC60-1070	1.1	Lo-15	P4	5100	Pit-Scrn Low
3AT2	3.0	1C00-0000	0.0	Hi-3	P2	----	Set Function Switch on 3000. Observe Rect. & Diodes OK Line. CAP = P on Adapter.
3AW2	3.0	2C00-0000	0.0	Lo-15	P2	----	Set Function switch on Low 15000. Observe Rect. & Diodes OK line. CAP = P on Adapter
4HA7	4.3	1C90-A040	3.2	Lo-6	P4	1750	Triode No. 1
4HA7	4.3	1CB0-2030	1.0	Lo-6	P4	900	Triode No. 2
4HC7	4.3	1C90-A040	0.8	Lo-6	P4	2600	Triode No. 1
4HC7	4.3	1CB0-2030	1.2	Lo-6	P4	1000	Triode No. 2
5BC3	5.0	1300-9000	0.0	Sh-78	P3	*	Plate No. 1
5BC3	5.0	1300-5000	0.0	Sh-80	P3	*	Plate No. 2
5HA7	5.0	1C90-A040	3.2	Lo-6	P4	1750	Triode No. 1
5HA7	5.0	1CB0-2030	1.0	Lo-6	P4	900	Triode No. 2
5HC7	5.0	1C90-A040	0.8	Lo-6	P4	2600	Triode No. 1
5HC7	5.0	1CB0-2030	1.2	Lo-6	P4	1000	Triode No. 2
6AC9	6.3	1C90-BA87	1.5	Lo-15	P4	5700	Pentode Sect.
6AC9	6.3	1C00-3040	0.0	Sh-74	P1	*	Diode No. 1
6AC9	6.3	1C00-2030	0.0	Sh-74	P1	*	Diode No. 2
6AC10	6.3	1C90-A040	1.0	Lo-15	P4	3800	Triode No. 1
6AC10	6.3	1C70-5060	1.0	Lo-15	P4	3800	Triode No. 2
6AC10	6.3	1CB0-2030	1.0	Lo-15	P4	3800	Triode No. 3
6AD10	6.3	1C30-7625	3.0	Lo-6	P4	1800	Pentode No. 1
6AD10	6.3	1C80-BA90	1.5	Lo-15	P4	4600	Pentode No. 2
6AF11	6.3	1CB0-2A90	2.4	Lo-15	P4	6000	Pentode Sect.
6AF11	6.3	1C60-8050	1.3	Lo-6	P4	2700	Triode No. 1
6AF11	6.3	1C30-4070	0.6	Lo-6	P4	2000	Triode No. 2
6AG11	6.3	1C50-6040	1.0	Lo-15	P4	4900	Triode No. 1
6AG11	6.3	1C80-7090	1.0	Lo-15	P4	4900	Triode No. 2
6AG11	6.3	1C00-A0B0	0.0	Sh-56	P1	*	Diode No. 1
6AG11	6.3	1C00-3020	0.0	Sh-56	P1	*	Diode No. 2
6AL11	6.3	1C80-BA90	2.8	Lo-15	P4	3900	Pentode No. 1
6AL11	6.3	1C30-6724	8.0	Hi-3	P4	250	Pentode No. 2
6AR11	6.3	1CA0-89B7	0.5	Lo-15	P4	5000	Pentode No. 1
6AR11	6.3	1C50-2364	0.5	Lo-15	P4	5000	Pentode No. 2
6AS11	6.3	1CB0-2A90	5.0	Hi-6	P4	3500	Pentode Sect.
6AS11	6.3	1C60-8050	4.5	Hi-3	P4	1200	Triode No. 1
6AS11	6.3	1C30-4070	4.0	Hi-3	P4	1200	Triode No. 2
6AV11	6.3	1C90-A040	5.0	Hi-3	P4	1300	Triode No. 1
6AV11	6.3	1C70-5060	5.0	Hi-3	P4	1300	Triode No. 2
6AV11	6.3	1CB0-2030	5.0	Hi-3	P4	1300	Triode No. 3

MODEL 1575 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3568-7

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	FUNCT SHUNT	PRESS	MIN. MUT.COND	NOTATIONS
6AX3	6.3	1C00-4070	0.0	Sh-67	P3	*	
6AY3	6.3	4500-2090	0.0	Sh-78	P3	*	
6AY11	6.3	1C80-7090	2.0	Lo-6	P4	800	Triode No. 1
6AY11	6.3	1C50-6040	2.0	Lo-6	P4	800	Triode No. 2
6AY11	6.3	1C00-A0B0	0.0	Sh-70	P1	*	Diode No. 1
6AY11	6.3	1C00-3020	0.0	Sh-70	P1	*	Diode No. 2
6B10	6.3	1C50-6070	4.0	Lo-6	P4	1600	Triode No. 1
6B10	6.3	1C30-4020	4.0	Lo-6	P4	1600	Triode No. 2
6B10	6.3	1C00-A090	0.0	Sh-59	P1	*	Diode No. 1
6B10	6.3	1C00-8090	0.0	Sh-59	P1	*	Diode No. 2
6BA3	6.3	4500-2090	0.0	Sh-81	P3	*	
6BA11	6.3	1C40-6387	1.0	Hi-3	P4	400	Pentode No. 1
6BA11	6.3	1C40-2385	1.0	Hi-3	P4	400	Pentode No. 2
6BA11	6.3	1C90-B0A0	7.0	Lo-6	P4	1000	Triode Sect.
6BD11	6.3	1CB0-2A90	2.4	Lo-15	P4	5000	Pentode Sect.
6BD11	6.3	1C60-8050	1.3	Lo-6	P4	3500	Triode No. 1
6BD11	6.3	1C30-4070	1.0	Lo-6	P4	2750	Triode No. 2
6BE3	6.3	1C00-A070	0.0	Sh-75	P3	*	
6BF11	6.3	1C80-BA90	8.0	Lo-15	P4	4500	Pentode No. 1
6BF11	6.3	1C30-7625	6.5	Hi-3	P4	200	Pentode No. 2
6BH3	6.3	4500-2090	0.0	Sh-80	P3	*	
6BH11	6.3	1C80-A9B0	1.0	Lo-15	P4	4700	Pentode Sect.
6BH11	6.3	1C60-7050	1.5	Lo-15	P4	5000	Triode No. 1
6BH11	6.3	1C40-3020	1.5	Lo-15	P4	5000	Triode No. 2
6BJ3	6.3	1C00-A070	0.0	Sh-80	P3	*	
6BK11	6.3	1C90-A040	1.9	Lo-6	P4	1000	Triode No. 1
6BK11	6.3	1C70-3060	1.2	Lo-6	P4	900	Triode No. 2
6BK11	6.3	1CB0-2030	1.2	Lo-6	P4	900	Triode No. 3
6BN11	6.3	1C70-B98A	1.0	Lo-15	P4	6600	Pentode No. 1
6BN11	6.3	1C30-5426	1.0	Lo-15	P4	6600	Pentode No. 2
6BS3	6.3	4500-2090	0.0	Sh-65	P3	*	
6C9	6.3	4570-9860	3.6	Lo-15	P4	3700	Tetrode No. 1
6C9	6.3	4510-32A0	3.6	Lo-15	P4	3700	Tetrode No. 2
6C10	6.3	1C90-A040	1.1	Lo-6	P4	950	Triode No. 1
6C10	6.3	1C70-5060	1.1	Lo-6	P4	950	Triode No. 2
6C10	6.3	1CB0-2030	1.1	Lo-6	P4	950	Triode No. 3
6CD3	6.3	1C00-A070	0.0	Sh-77	P1	*	
6CE3	6.3	1C00-4070	0.0	Sh-77	P1	*	
6CG3	6.3	1C00-4070	0.0	Sh-77	P1	*	
6CJ3	6.3	4520-2090	0.0	Sh-77	P1	*	
6CW4	6.3	AC40-2080	0.5	Lo-15	P4	4400	Plt-Scrn Low
6D10	6.3	1C90-A040	1.7	Lo-6	P4	2500	Triode No. 1
6D10	6.3	1C70-5060	1.7	Lo-6	P4	2500	Triode No. 2
6D10	6.3	1CB0-2030	1.7	Lo-6	P4	2500	Triode No. 3
6DS4	6.3	AC40-2080	0.5	Lo-15	P4	4000	Plt-Scrn Low
6DV4	6.3	AC60-1070	1.1	Lo-15	P4	5100	Plt-Scrn Low
6DW4	6.3	4500-2090	0.0	Sh-79	P3	*	
6FJ7	6.3	1CA0-B090	3.6	Lo-6	P4	1500	Triode No. 1
6FJ7	6.3	1C30-5070	2.3	Lo-15	P4	4800	Triode No. 2
6FM7	6.3	1CA0-B090	2.0	Lo-6	P4	1250	Triode No. 1
6FM7	6.3	1C80-5070	24.0	Lo-6	P4	2500	Triode No. 2
6FY7	6.3	1CA0-B090	2.0	Lo-6	P4	800	Triode No. 1
6FY7	6.3	1C30-5070	17.0	Lo-6	P4	3100	Triode No. 2

MODEL 1575 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3568-7

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	FUNCT SHUNT	PRESS	MIN. MUT.COND	NOTATIONS
6G11	6.3	1C80-BA90	17.0	Lo-6	P4	2800	Pentode No. 1
6G11	6.3	1C30-6724	1.5	Hi-3	P4	500	Pentode No. 2
6GA7	6.3	1C40-7350	18.0	Lo-6	P4	2900	Pentode Sect.
6GA7	6.3	1C00-B080	0.0	Sh-73	P3	*	Diode Sect.
6GE5	6.3	1CB0-72A0	22.0	Lo-15	P4	3000	
6GF5	6.3	1CB0-72A0	24.0	Lo-6	P4	2700	
6GF7	6.3	4590-8010	1.8	Lo-6	P4	850	Triode No. 1
6GF7	6.3	4520-6030	21.0	Lo-6	P4	2750	Triode No. 2
6GJ5	6.3	4560-0730	8.0	Hi-15	P1, 4#	4000	CAP = P on Adapter
6GT5	6.3	4560-9730	8.0	Hi-15	P1, 4#	4000	
6GV5	6.3	1C90-OBA0	17.0	Lo-15	P4	3300	CAP = P on Adapter
6GY5	6.3	1C50-07A0	28.0	Lo-15	P4	3250	CAP = P on Adapter
6HB5	6.3	1CB0-72A0	27.0	Lo-6	P4	3000	
6HD5	6.3	1CB0-79A0	23.0	Lo-15	P4	3750	
6HE5	6.3	1C90-6AB0	17.0	Lo-6	P4	3000	
6HE7	6.3	1C90-5B80	25.0	Lo-15	P4	3800	Pentode Sect.
6HE7	6.3	1C00-2040	0.0	Sh-76	P1	*	Diode Sect.
6HF5	6.3	1C90-OBA0	40.0	Lo-6	P4	2800	CAP = P on Adapter
6HJ5	6.3	1CB0-792A	26.0	Lo-6	P4	2000	
6J9	6.3	4570-80A0	1.6	Lo-6	P4	2750	Triode No. 1
6J9	6.3	4590-60A0	1.6	Lo-6	P4	2750	Triode No. 2
6J9	6.3	4520-1030	1.6	Lo-6	P4	2750	Triode No. 3
6J10	6.3	1C70-4685	1.3	Lo-6	P4	375	Pentode No. 1
6J10	6.3	1CB0-9230	3.2	Lo-15	P4	4000	Pentode No. 2
6J11	6.3	1CB0-978A	1.0	Lo-15	P4	6500	Pentode No. 1
6J11	6.3	1C50-3264	1.0	Lo-15	P4	6500	Pentode No. 2
6JB6	6.3	4520-0138	8.0	Hi-15	P1, 4#	4000	CAP = P on Adapter
6JE6	6.3	4520-0738	14.0	Lo-6	P4	3250	CAP = P on Adapter Plt-Scrn Low
6JF6	6.3	4520-0738	12.0	Lo-15	P1, 4#	3600	CAP = P on Adapter
6JG6	6.3	4520-9736	12.0	Lo-15	P1, 4#	3600	
6JM6	6.3	1C50-032A	19.0	Lo-15	P4	4100	CAP = P on Adapter
6JN6	6.3	1CB0-7324	19.0	Lo-15	P4	4100	
6JS6A	6.3	1C50-0324	40.0	Lo-6	P4	2500	CAP = P on Adapter
6JT6	6.3	4520-9736	22.0	Hi-15	P4	3800	
6JZ8	6.3	1C70-4890	12.0	Lo-15	P4	3500	Pentode Sect.
6JZ8	6.3	1CA0-20B0	6.0	Lo-6	P4	1050	Triode Sect.
6K11	6.3	1C90-A048	4.0	Lo-6	P4	1550	Triode No. 1
6K11	6.3	1C70-5068	1.5	Lo-6	P4	850	Triode No. 2
6K11	6.3	1CB0-2038	1.5	Lo-6	P4	850	Triode No. 3
6KD6	6.3	1C50-0324	41.0	Lo-15	P4	3100	CAP = P on Adapter
6KM6	6.3	4520-0738	37.0	Lo-6	P4	2500	CAP = P on Adapter
6KN6	6.3	1C50-0324	30.0	Lo-15	P4	3100	CAP = P on Adapter
6KY8	6.3	4520-6730	15.0	Lo-15	P4	3450	Pentode Sect.
6KY8	6.3	4590-8010	2.2	Lo-6	P4	900	Triode Sect.
6LR8	6.3	4520-6730	15.0	Lo-15	P4	3800	Pentode Sect.
6LR8	6.3	4590-8010	3.3	Lo-6	P4	1700	Triode Sect.
6LU8	6.3	1C60-4890	15.0	Lo-15	P4	3800	Pentode Sect.
6LU8	6.3	1CA0-20B0	3.3	Lo-6	P4	1700	Triode Sect.
6M11	6.3	1C20-B3A0	1.2	Lo-15	P4	6700	Pentode Sect.
6M11	6.3	1C80-7090	2.1	Lo-15	P4	3400	Triode No. 1
6M11	6.3	1C50-6040	2.1	Lo-15	P4	3400	Triode No. 2
6MD8	6.3	4560-3070	5.0	Lo-6	P4	2650	Triode No. 1
6MD8	6.3	4580-2070	5.0	Lo-6	P4	2650	Triode No. 2
6MD8	6.3	4590-1070	5.0	Lo-6	P4	2650	Triode No. 3

MODEL 1575 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3568-7

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	FUNCT SHUNT	PRESS	MIN. MUT.COND	NOTATIONS
6Q11	6.3	1C90-A048	4.0	Lo-6	P4	1550	Triode No. 1
6Q11	6.3	1C70-5068	1.5	Lo-6	P4	850	Triode No. 2
6Q11	6.3	1CB0-2038	1.5	Lo-6	P4	850	Triode No. 3
6T9	6.3	1C80-BA90	1.7	Lo-15	P4	5100	Pentode Sect.
6T9	6.3	1C40-2050	1.5	Lo-6	P4	1200	Triode Sect.
6T10	6.3	1C80-BA90	3.3	Lo-15	P4	1100	Pentode No. 1
6T10	6.3	1C30-7625	3.0	Lo-6	P4	625	Pentode No. 2
6U10	6.3	1C90-A040	4.3	Lo-6	P4	1350	Triode No. 1
6U10	6.3	1C70-5060	1.3	Lo-6	P4	850	Triode No. 2
6U10	6.3	1CB0-2030	4.3	Lo-6	P4	1350	Triode No. 3
6Y10	6.3	1C80-BA90	3.5	Lo-15	P4	5300	Pentode No. 1
6Y10	6.3	1C30-7625	2.4	Lo-6	P4	1750	Pentode No. 2
6Z10	6.3	1C70-4685	1.3	Lo-6	P4	375	Pentode No. 1
6Z10	6.3	1CB0-9230	3.2	Lo-15	P4	4000	Pentode No. 2
8AC9	7.5	1C90-BA87	1.5	Lo-15	P4	5700	Pentode Sect.
8AC9	7.5	1C00-3040	0.0	Sh-74	P1	*	Diode No. 1
8AC9	7.5	1C00-2030	0.0	Sh-74	P1	*	Diode No. 2
8AR11	7.5	1CA0-89B7	0.5	Lo-15	P4	5000	Pentode No. 1
8AR11	7.5	1C50-2364	0.5	Lo-15	P4	5000	Pentode No. 2
8B10	7.5	1C50-6070	6.5	Lo-6	P4	1500	Triode No. 1
8B10	7.5	1C30-4020	6.5	Lo-6	P4	1500	Triode No. 2
8B10	7.5	1C00-A090	0.0	Sh-59	P1	*	Diode No. 1
8B10	7.5	1C00-8090	0.0	Sh-59	P1	*	Diode No. 2
8BA11	7.5	1C40-6387	1.0	Hi-3	P4	400	Pentode No. 1
8BA11	7.5	1C40-2385	1.0	Hi-3	P4	400	Pentode No. 2
8BA11	7.5	1C90-B0A0	7.0	Lo-6	P4	1000	Triode Sect.
8BM11	7.5	1CB0-79A4	1.0	Lo-15	P4	5350	Pentode No. 1
8BM11	7.5	1C60-2354	1.7	Lo-15	P4	5000	Pentode No. 2
8BQ11	7.5	1CA0-89B7	φ	Lo-15	P4	4800	Pentode No. 1. φ 56 Ω ± 10% self bias resistor
8BQ11	7.5	1C50-2364	φ	Lo-15	P4	7550	Pentode No. 2. φ 56 Ω ± 10% self bias resistor
8BU11	7.5	1C80-A9B0	2.0	Lo-15	P4	4000	Pentode Sect.
8BU11	7.5	1C60-7050	1.8	Lo-15	P4	4400	Triode No. 1
8BU11	7.5	1C40-3020	1.8	Lo-15	P4	4400	Triode No. 2
9BJ11	10.0	1CB0-79A8	4.0	Hi-3	P4	950	Pentode No. 1
9BJ11	10.0	1C60-2354	1.5	Lo-15	P4	4700	Pentode No. 2
10AL11	10.0	1C80-BA90	2.8	Lo-15	P4	3900	Pentode No. 1
10AL11	10.0	1C30-6724	8.0	Hi-3	P4	250	Pentode No. 2
10GF7	10.0	4590-8010	1.8	Lo-6	P4	850	Triode No. 1
10GF7	10.0	4520-6030	21.0	Lo-6	P4	2750	Triode No. 2
10J10	10.0	1C70-4685	1.3	Lo-6	P4	375	Pentode No. 1
10J10	10.0	1CB0-9230	3.2	Lo-15	P4	4000	Pentode No. 2
11AR11	10.0	1CA0-89B7	0.7	Lo-15	P4	5250	Pentode No. 1) Adjust "Line Test" to 91V
11AR11	10.0	1C50-2364	0.7	Lo-15	P4	5250	Pentode No. 2) Test" to 91V
11BQ11	12.6	1CA0-89B7	0.9	Lo-15	P4	5000	Pentode No. 1) Adjust "Line Test" to 90V
11BQ11	12.6	1C50-2364	1.4	Lo-15	P4	6300	Pentode No. 2) Test" to 90V
11BT11	10.0	1CB0-2A86	1.6	Lo-30	P4	12000	Pentode Sect.
11BT11	10.0	1C50-7060	1.0	Lo-6	P4	3150	Triode No. 1
11BT11	10.0	1C30-9040	3.0	Lo-6	P4	3150	Triode No. 2
11FY7	10.0	1CA0-B090	2.0	Lo-6	P4	800	Triode No. 1
11FY7	10.0	1C30-5070	17.0	Lo-6	P4	3100	Triode No. 2
12AE10	12.6	1C80-BA90	11.0	Lo-6	P4	2500	Pentode No. 1
12AE10	12.6	1C30-7625	5.0	Lo-6	P4	600	Pentode No. 2
12AL11	12.6	1C80-BA90	2.8	Lo-15	P4	3900	Pentode No. 1
12AL11	12.6	1C30-6724	8.0	Hi-3	P4	250	Pentode No. 2

MODEL 1575 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3568-7

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	FUNCT SHUNT	PRESS	MIN. MUT.COND	NOTATIONS
12AX3	12.6	1C00-4070	0.0	Sh-67	P3	*	
12AY3	12.6	4500-2090	0.0	Sh-78	P3	*	
12BE3	12.6	1C00-A070	0.0	Sh-75	P3	*	
12BF11	12.6	1C80-BA90	8.0	Lo-15	P4	4500	Pentode No. 1
12BF11	12.6	1C30-7625	6.5	Hi-3	P4	200	Pentode No. 2
12BS3	12.6	4500-2090	0.0	Sh-65	P3	*	
12BT3	12.6	1C00-4070	0.0	Sh-80	P3	*	
12G11	12.6	1C80-BA90	17.0	Lo-6	P4	2800	Pentode No. 1
12G11	12.6	1C30-6724	1.5	Hi-3	P4	500	Pentode No. 2
12GE5	12.6	1CB0-72A0	22.0	Lo-15	P4	3000	
12GJ5	12.6	4560-0730	8.0	Hi-15	P1, 4#	4000	CAP = P on Adapter
12GT5	12.6	4560-9730	8.0	Hi-15	P1, 4#	4000	
12GV5	12.6	1C90-0BA0	17.0	Lo-15	P4	3300	CAP = P on Adapter
12HE7	12.6	1C90-5B80	25.0	Lo-15	P4	3800	Pentode No. 1
12HE7	12.6	1C00-2040	0.0	Sh-76	P1	*	Pentode No. 2
12JB6	12.6	4520-0138	8.0	Hi-15	P1, 4#	4000	CAP = P on Adapter
12JN6	12.6	1CB0-7324	19.0	Lo-15	P4	4100	
12JT6	12.6	4520-9736	22.0	Hi-15	P4	3800	
12T10	12.6	1C80-BA90	3.3	Lo-15	P4	1100	Pentode No. 1
12T10	12.6	1C30-7625	3.0	Lo-6	P4	625	Pentode No. 2
13CW4	12.6	AC40-2080	0.5	Lo-15	P4	4400	Plt-Scrn Low
13FM7	12.6	1CA0-B090	2.0	Lo-6	P4	1250	Triode No. 1
13FM7	12.6	1C80-5070	24.0	Lo-6	P4	2500	Triode No. 2
13GF7	12.6	4590-8010	1.8	Lo-6	P4	850	Triode No. 1
13GF7	12.6	4520-6030	21.0	Lo-6	P4	2750	Triode No. 2
13J10	12.6	1C70-4685	1.3	Lo-6	P4	375	Pentode No. 1
13J10	12.6	1CB0-9230	3.2	Lo-15	P4	4000	Pentode No. 2
13V10	12.6	1C80-BA90	5.0	Lo-6	P4	3800	Pentode No. 1
13V10	12.6	1C00-7625	4.5	Lo-6	P4	650	Pentode No. 2
13Z10	12.6	1C70-4685	1.3	Lo-6	P4	375	Pentode No. 1
13Z10	12.6	1CB0-9230	3.2	Lo-15	P4	4000	Pentode No. 2
14BL11	12.6	1CB0-2A80	2.3	Lo-30	P4	9500	Pentode Sect.
14BL11	12.6	1C50-7060	0.7	Lo-15	P4	2800	Triode No. 1
14BL11	12.6	1C30-9040	2.6	Lo-15	P4	3100	Triode No. 2
14BR11	12.6	1C20-B340	1.5	Lo-15	P4	6300	Pentode Sect.
14BR11	12.6	1C80-6050	1.5	Lo-15	P4	3200	Triode No. 1
14BR11	12.6	1CA0-9070	1.5	Lo-15	P4	2800	Triode No. 2
15AF11	12.6	1CB0-2A90	3.3	Lo-15	P4	7600	Pentode Sect.) Adjust "Line Test" to 114V.
15AF11	12.6	1C60-8050	2.0	Lo-6	P4	3700	Triode No. 1) Test" to 116V
15AF11	12.6	1C30-4070	2.0	Lo-6	P4	3000	Triode No. 2) Test" to 116V
15BD11	12.6	1CB0-2A90	4.1	Lo-15	P4	5000	Pent. Sect.) Adjust "Line Test" to 110V.
15BD11	12.6	1C60-8050	1.7	Lo-6	P4	3500	Triode No. 1) Test" to 110V.
15BD11	12.6	1C30-4070	2.6	Lo-6	P4	2750	Triode No. 2) Test" to 114V.
15FM7	12.6	1CA0-B090	2.7	Lo-6	P4	1250	Triode No. 1) Adjust "Line Test" to 114V.
15FM7	12.6	1C80-5070	30.0	Lo-6	P4	2500	Triode No. 2) Test" to 114V.
15FY7	12.6	1CA0-B090	2.2	Lo-6	P4	1000	Triode No. 1) Adjust "Line Test" to 116V.
15FY7	12.6	1C30-5070	24.0	Lo-15	P4	3750	Triode No. 2) Test" to 116V.
15KY8	12.6	4520-6730	6.0	Lo-6	P4	2050	Pentode Sect.) Adjust "Line Test" to 86V.
15KY8	12.6	4590-8010	1.6	Hi-3	P4	325	Triode Sect.) Test" to 86V.
16GY5	20.0	1C90-0BA0	15.0	Lo-15	P4	3200	CAP = P on Adapter. Adjust "Line Test" to 80V.
16KA6	20.0	1C50-03A4	28.0	Lo-15	P4	3500	CAP = P on Adapter. Adjust "Line Test" to 80 V.
17AB10	(See data at end of supplement)						Adjust "Line Test" to 86V.
17AX3	20.0	1C00-4070	0.0	Sh-61	P3	*	Adjust "Line Test" to 74V.
17AY3	20.0	4500-2090	0.0	Sh-77	P3	*	Adjust "Line Test" to 86V.
17BE3	20.0	1C00-A070	0.0	Sh-69	P3	*	Adjust "Line Test" to 86V.

MODEL 1575 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3568-7

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	FUNCT SHUNT	PRESS	MIN. MUT.COND	NOTATIONS
17BF11	20.0	1C80-BA90	8.0	Lo-15	P4	4500	Pent. No. 1) Set "Cath. Act"
17BF11	20.0	1C30-7625	6.5	Hi-3	P4	200	Pent. No. 2) Switch to "Test"
17BH3	20.0	4500-2090	0.0	Sh-77	P3	*) Position
17BS3	20.0	4500-2090	0.0	Sh-53	P3	*	Adjust "Line Test" to 74V.
17BZ3	20.0	1C00-A070	0.0	Sh-86	P3		Adjust "Line Test" to 86V.
17C9	20.0	4570-9860	2.3	Lo-6	P4	2500	Adjust "Line Test" to 85V.
17C9	20.0	4510-32A0	2.3	Lo-6	P4	2500	Tetrode No. 1) Adjust "Line
17GE5	20.0	1CB0-72A0	5.0	Lo-15	P1, 4#	3500	Tetrode No. 2) Test" to 80V.
17GJ5	20.0	4560-0730	8.0	Hi-15	P1, 4#	4000	Adjust "Line Test" to 85V.
17GT5	20.0	4560-9730	8.0	Hi-15	P1, 4#	4000	CAP = P on Adapter. Set "Cath
17GV5	20.0	1C90-0BA0	5.0	Lo-15	P1, 4#	4000	Act" Switch to "Test" position.
17JB6	20.0	4520-0138	8.0	Hi-15	P1, 4#	4000	Set "Cath. Act." switch to
17JC6	20.0	4520-9736	12.0	Lo-15	P1, 4#	3600	"Test" position.
17JM6	20.0	1C50-032A	19.0	Lo-15	P4	4100	CAP = P on Adapter. Set "Cath
17JN6	20.0	1CB0-7324	19.0	Lo-15	P4	4100	Act" Switch to "Test" position.
17JT6	20.0	4520-9736	22.0	Hi-15	P4	3800	Set "Cath. Act." switch to
17JZ8	20.0	1C70-4890	11.0	Lo-6	P4	2750	"Test" position.
17JZ8	20.0	1CA0-20B0	6.0	Lo-6	P4	850	Pentode Sect.) Set "Line Test"
17LD8	20.0	4520-8730	7.0	Lo-15	P4	3150	Triode Sect.) to 89V.
17LD8	20.0	4590-8010	4.2	Lo-6	P4	1075	Pent. Sect.) Adjust "Line
17X10	20.0	1C70-4685	1.3	Lo-6	P4	375	Triode Sect.) Test" to 85V.
17X10	20.0	1C50-4687	0.0	Lo-6	P4	575	Limiter Grid) Set "Cath. Act."
17X10	20.0	1CB0-9230	10.0	Lo-15	P4	3800	Plt-Scrn Low) switch to "Test"
19Q9	20.0	4510-32A6	1.5	Lo-15	P4	4000	Quadrature Grid) position
19Q9	20.0	4580-9076	1.8	Lo-15	P4	4250	Grid)
21GY5	20.0	1C50-07A0	28.0	Lo-15	P4	3250	Plt-Scrn Low) Pentode No. 2)
21HB5	20.0	1CB0-72A0	27.0	Lo-6	P4	3000	Plt-Scrn Normal)
21HD5	20.0	1CB0-79A0	23.0	Lo-15	P4	3750	Pentode Sect.
21HJ5	20.0	1CB0-792A	26.0	Lo-6	P4	2000	Triode Sect.
21JV6	20.0	1CB0-732A	25.0	Lo-15	P4	4100	
21JZ6	20.0	1C50-0324	28.0	Lo-15	P4	3450	CAP = P on Adapter
21KA6	20.0	1C50-03A4	28.0	Lo-15	P4	3500	CAP = P on Adapter
21LR8	20.0	4520-6730	15.0	Lo-15	P4	3800	Pentode Sect.
21LR8	20.0	4590-8010	3.3	Lo-6	P4	1700	Triode Sect.
21LU8	20.0	1C60-4890	15.0	Lo-15	P4	3800	Pentode Sect.
21LU8	20.0	1CA0-20B0	3.3	Lo-6	P4	1700	Triode Sect.
22BH3	20.0	4500-2090	0.0	Sh-77	P3	*	Adjust "Line Test" to 110V.
22BW3	25.0	1C00-A070	0.0	Sh-85	P3	*	Adjust "Line Test" to 90V.
22JF6	20.0	4520-0738	12.0	Lo-15	P1, 4#	3600	CAP = P on Adapter.
22JG6	20.0	4520-9736	12.0	Lo-15	P1, 4#	3600	
22JU6	20.0	4520-0738	27.0	Lo-6	P4	3000	CAP = P on Adapter.
23Z9	25.0	1C80-5970	12.0	Lo-15	P4	3500	Pentode Sect.
23Z9	25.0	1CA0-B070	3.0	Lo-6	P4	1900	Triode No. 1
23Z9	25.0	1C30-2070	7.0	Lo-6	P4	1100	Triode No. 2

MODEL 1575 TUBE TESTER

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3568-7

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS VOLTS	FUNCT SHUNT	PRESS	MIN. MUT.COND	NOTATIONS
24GA7	25.0	1C40-7350	18.0	Lo-6	P4	2900	Pentode Sect.
24GA7	25.0	1C00-B080	0.0	Sh-73	P3	*	Diode Sect.
28HD5	25.0	1CB0-79A0	23.0	Lo-15	P4	3750	
30AG11	35.0	1C50-6040	0.8	Lo-15	P4	4900	Triode No. 1) Adjust
30AG11	35.0	1C80-7090	0.8	Lo-15	P4	4900	Triode No. 2) "Line
30AG11	35.0	1C00-A0B0	0.0	Sh-53	P2	*	Diode No. 1) Test"
30AG11	35.0	1C00-3020	0.0	Sh-53	P2	*	Diode No. 2) to 84V.
31JS6A	35.0	1C50-0324	40.0	Lo-6	P4	2500	CAP = P on Adapter
32GA7	35.0	1C40-7350	18.0	Lo-6	P4	2900	Pentode Sect.
32GA7	35.0	1C00-B080	0.0	Sh-73	P3	*	Diode Sect.
33GT7	35.0	1CB0-5A80	11.0	Lo-15	P1, 4#	3150	Pentode Sect.
33GT7	35.0	1C00-2040	0.0	Sh-88	P3	*	Diode Sect.
33GY7	35.0	1CA0-5B80	11.0	Lo-15	P1, 4#	3150	Pentode Sect.
33GY7	35.0	1C00-2040	0.0	Sh-88	P3	*	Diode Sect.
33JV6	35.0	1CB0-732A	25.0	Lo-15	P4	4100	Diode Sect.
34CD3	35.0	1C00-A070	0.0	Sh-77	P1	*	
34CE3	35.0	1C00-4070	0.0	Sh-77	P1	*	
38HE7	50.0	1C90-5B80	18.0	Lo-15	P4	3800	Pent. Sect.) Adjust "Line
38HE7	50.0	1C00-2040	0.0	Sh-73	P1	*	Diode Sect.) Test" to 90V.
38HK7	35.0	1C90-5B80	24.0	Lo-15	P4	3100	Pentode Sect.
38HK7	35.0	1C00-2040	0.0	Sh-76	P1	*	Diode Sect.
42KN6	50.0	1C50-0324	30.0	Lo-15	P4	3100	CAP = P on Adapter
7586	6.3	AC40-2080	5.0	Hi-6	P4	2000	Adjust "Line Test" to 92V.
7587	6.3	AC40-0280	1.8	Lo-15	P1, 4#	4400	Plt-Scrn Low
7868	6.3	4560-9730	3.0	Lo-15	P4	6250	CAP = P on Adapter
7895	6.3	AC40-2080	0.6	Lo-15	P4	5000	Plt-Scrn Low
7984	12.6	1CA0-3B90	21.0	Lo-6	P4	3300	
8056	6.3	AC40-2080	0.0	Sh-59	P1	----	Set Function Switch on Shunt.
8058	6.3	AC00-0080	1.6	Lo-15	P4	5200	OK above 1300 on 3000 scale.
8149	12.6	1CA0-7890	20.0	Lo-6	P4	2800	CAP = P, SHELL = G on
8150	12.6	1CA0-0860	20.0	Lo-6	P4	2800	Adapter
8156	12.6	1CA0-3760	10.0	Lo-6	P4	3100	CAP = P on Adapter
8203	6.3	AC40-2080	5.0	Lo-15	P4	2850	
8393	12.6	AC40-2080	4.2	Lo-15	P4	4100	
17AB10	20.0	1C70-4685	1.3	Lo-6	P4	375	Limiter Grid) Set
17AB10	20.0	1C50-4687	0.0	Lo-6	P4	575	Plt-Scrn Low) "Cath. Act"
17AB10	20.0	1CB0-9230	10.0	Lo-15	P4	3800	Quadrature Grid) Switch to
							Plt-Scrn Low) "Test"
							Pentode No. 2) Position
							Plt-Scrn Normal)

OPERATING DATA
FOR THE
MODEL CA-4 ADAPTER
WHEN USED WITH
MODEL 6000-6005
ROLL CHART TUBE TESTER



- Note 1:** Connect lead provided to the top cap of the tube to be tested. The operating function of the cap will then be determined by the selector settings.
- Note 2:** The symbol # in the Bias column indicates Bias should be set at 100 and with Test button pressed rotate Bias dial until tube strikes.

INSTRUCTIONS FOR USING THE MODEL CA-4 COMPACTRON ADAPTER
WITH A ROLL-CHART TUBE TESTER

The Hickok Model CA-4 Compactron Adapter is used in conjunction with Hickok CARDMATIC and Roll-Chart tube testers to test Compactrons, Novars, 5 and 7-pin Nuvistors, and 10-pin header tubes.

MODEL 6000-6005 TUBE TESTERS
Supplementary Data - CA-4 Adapter

The CA-4 Adapter consists of:

- a) Eight (8) rotary switches which are used to select the pins of each individual element of the tube to be tested.
- b) Five (5) tube sockets.
- c) Three (3) jacks labeled "G", "P", and "K" which are used for connection to the tube top cap.
- d) A test plug which is connected to the CA-4 by a cable. This test plug is inserted into the octal socket of the tube tester that is to be used with the CA-4. The following table lists the pin numbers of the test plug and the associated tube element switch.

OCTAL PLUG PIN NUMBER	TUBE ELEMENT SWITCH
1	FILAMENT
2	FILAMENT
3	GRID A
4	GRID B
5	PLATE
6	SCREEN
7	CATHODE
8	SUPPRESSOR

The tube element switch settings on the adapter are connected in parallel with the pins of each tube socket mounted on the CA-4. The following table lists the switch and the associated pin number of the tube sockets.

SWITCH SETTINGS	PIN NUMBERS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
B	11
C	12
D	No Connection
0	No Connection

The three jacks marked "G", "P", and "K" located on the left side of the adapter are internally connected to their respective element switch (grid, plate, and cathode). They are used for cap connections (test lead supplied). The proper top cap connection is indicated in the NOTATIONS column of the chart on the following pages.

CAUTION

When using the CA-4 with a Roll-Chart tube tester set the element switches as specified before inserting the tube to be tested.

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
1AD2	1.5	1C00-0000	0	42	F ----	CAP = P on Adapter OK above Diodes OK
2AH2	2.5	1C00-0000	0	79	F ----	CAP = P on Adapter OK above Diodes OK
2AS2	2.5	1C00-0000	0	80	F ----	CAP = P on Adapter OK above Diodes OK
2CW4	2.0	AC40-2080	23	79	A 2600	
2DS4	2.0	AC40-2080	22	79	A 2600	
2DV4	2.0	AC60-1070	27	88	A 4600	
3AT2	3.0	1C00-0000	0	84	F ----	CAP = P on Adapter OK above Diodes OK
3AW2	3.0	2C00-0000	0	87	F ----	CAP = P on Adapter OK above Diodes OK
4HA7	4.3	1C90-A040	20	76	A 2500	Triode No. 1
4HA7	4.3	1CB0-2030	16	16	A 750	Triode No. 2
4HC7	4.3	1C90-A040	12	84	A 3500	Triode No. 1
4HC7	4.3	1CB0-2030	19	27	A 700	Triode No. 2
5BC3	5.0	1300-9000	0	74	D ----	Plate No. 1
5BC3	5.0	1300-5000	0	82	D ----	Plate No. 2
5HA7	5.0	1C90-A040	20	76	A 2500	Triode No. 1
5HA7	5.0	1CB0-2030	16	16	A 750	Triode No. 2
5HC7	5.0	1C90-A040	12	84	A 3500	Triode No. 1
5HC7	5.0	1CB0-2030	19	27	A 700	Triode No. 2
6AC9	6.3	1C90-BA87	10	87	A 4200	Pentode Sect.
6AC9	6.3	1C00-3040	0	85	C ----	Diode No. 1
6AC9	6.3	1C00-2030	0	85	C ----	Diode No. 2
6AC10	6.3	1C90-A040	14	85	A 3700	Triode No. 1
6AC10	6.3	1C70-5060	14	85	A 3700	Triode No. 2
6AC10	6.3	1CB0-2030	14	85	A 3700	Triode No. 3
6AD10	6.3	1C30-7625	17	62	A 2900	Pentode No. 1
6AD10	6.3	1C80-BA90	7	89	A 4400	Pentode No. 2
6AF11	6.3	1CB0-2A90	10	88	A 4900	Pentode Sect.
6AF11	6.3	1C60-8050	18	77	A 2400	Triode No. 1
6AF11	6.3	1C30-4070	10	80	A 2800	Triode No. 2
6AG11	6.3	1C50-6040	16	87	A 4000	Triode No. 1
6AG11	6.3	1C80-7090	16	87	A 4000	Triode No. 2
6AG11	6.3	1C00-A0B0	0	80	C ----	Diode No. 1
6AG11	6.3	1C00-3020	0	80	C ----	Diode No. 2
6AL11	6.3	1C80-BA90	14	87	A 4300	Pentode No. 1
6AL11	6.3	1C30-6724	20	21	A 620	Pentode No. 2
6AR11	6.3	1CA0-89B7	10	81	A 2700	Pentode No. 1
6AR11	6.3	1C50-2364	10	81	A 2700	Pentode No. 2
6AS11	6.3	1CB0-2A90	10	89	A 5000	Pentode Sect.
6AS11	6.3	1C60-8050	14	86	A 3800	Triode No. 1
6AS11	6.3	1C30-4070	16	84	A 3300	Triode No. 2
6AV11	6.3	1C90-A040	23	79	A 2400	Triode No. 1
6AV11	6.3	1C70-5060	23	79	A 2400	Triode No. 2
6AV11	6.3	1CB0-2030	23	79	A 2400	Triode No. 3
6AX3	6.3	1C00-4070	0	82	D ----	
6AY3	6.3	4500-2090	0	87	D ----	
6AY11	6.3	1C80-7090	20	22	A 660	Triode No. 1
6AY11	6.3	1C50-6040	20	22	A 660	Triode No. 2
6AY11	6.3	1C00-A0B0	0	77	C ----	Diode No. 1
6AY11	6.3	1C00-3020	0	77	C ----	Diode No. 2

MODEL 6000-6005 TUBE TESTERS

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
6B10	6.3	1C50-6070	21	82	A 2500	Triode No. 1
6B10	6.3	1C30-4020	21	82	A 2500	Triode No. 2
6B10	6.3	1C00-A090	0	78	C ----	Diode No. 1
6B10	6.3	1C00-8090	0	78	C ----	Diode No. 2
6BA3	6.3	4500-2090	0	84	D ----	
6BA11	6.3	1C40-6387	10	15	A 600	Pentode No. 1
6BA11	6.3	1C40-2385	10	15	A 600	Pentode No. 2
6BA11	6.3	1C90-B0A0	30	62	A 1600	Triode Sect.
6BD11	6.3	1CB0-2A90	13	87	A 4500	Pentode Sect.
6BD11	6.3	1C60-8050	17	78	A 2500	Triode No. 1
6BD11	6.3	1C30-4070	11	80	A 2750	Triode No. 2
6BE3	6.3	1C00-A070	0	89	D ----	
6BF11	6.3	1C80-BA90	25	88	A 5000	Pentode No. 1
6BF11	6.3	1C30-7625	13	7	A 540	Pentode No. 2
6BH3	6.3	4500-2090	0	87	D ----	
6BH11	6.3	1C80-A9B0	10	84	A 3500	Pentode Sect.
6BH11	6.3	1C60-7050	18	89	A 5100	Triode No. 1
6BH11	6.3	1C40-3020	18	89	A 5100	Triode No. 2
6BJ3	6.3	1C00-A070	0	88	D ----	
6BK11	6.3	1C90-A040	20	39	A 850	Triode No. 1
6BK11	6.3	1C70-5060	19	7	A 550	Triode No. 2
6BK11	6.3	1CB0-2030	19	7	A 550	Triode No. 3
6BN11	6.3	1C70-B98A	10	85	A 3800	Pentode No. 1
6BN11	6.3	1C30-5426	10	85	A 3800	Pentode No. 2
6BS3	6.3	4500-2090	0	83	D ----	
6C9	6.3	4570-9860	15	85	A 3200	Tetrode No. 1
6C9	6.3	4510-32A0	15	85	A 3200	Tetrode No. 2
6C10	6.3	1C90-A040	12	58	A 1250	Triode No. 1
6C10	6.3	1C70-5060	12	58	A 1250	Triode No. 2
6C10	6.3	1CB0-2030	12	58	A 1250	Triode No. 3
6CD3	6.3	1C00-A070	0	93	D ----	
6CE3	6.3	1C00-4070	0	86	C ----	
6CG3	6.3	1C00-4070	0	86	C ----	
6CJ3	6.3	4500-2090	0	86	C ----	
6CW4	6.3	AC40-2080	23	79	A 2600	
6D10	6.3	1C90-A040	18	78	A 2500	Triode No. 1
6D10	6.3	1C70-5060	18	78	A 2500	Triode No. 2
6D10	6.3	1CB0-2030	18	78	A 2500	Triode No. 3
6DS4	6.3	AC40-2080	22	79	A 2600	
6DV4	6.3	AC60-1070	27	88	A 4600	
6DW4	6.3	4500-2090	0	89	D ----	
6FJ7	6.3	1CA0-B090	20	78	A 2300	Triode No. 1
6FJ7	6.3	1C30-5070	16	91	A 7000	Triode No. 2
6FM7	6.3	1CA0-B090	20	46	A 950	Triode No. 1
6FM7	6.3	1C80-5070	62	88	A 5250	Triode No. 2
6FY7	6.3	1CA0-B090	20	32	A 800	Triode No. 1
6FY7	6.3	1C30-5070	54	92	A 6500	Triode No. 2
6G11	6.3	1C80-BA90	19	90	A 5600	Pentode No. 1
6G11	6.3	1C30-6724	10	10	A 500	Pentode No. 2
6GA7	6.3	1C40-7350	58	89	A 4500	Pentode Sect.
6GA7	6.3	1C00-B080	0	85	D ----	Diode Sect.
6GE5	6.3	1CB0-72A0	48	90	A 6000	
6GF5	6.3	1CB0-72A0	54	89	A 4800	
6CF7	6.3	4590-8010	19	35	A 700	Triode No. 1
6CF7	6.3	4520-6030	57	91	A 7200	Triode No. 2

MODEL 6000-6005 TUBE TESTERS

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
6GJ5	6.3	4560-0730	28	91	B 6600	CAP = P on Adapter
6GT5	6.3	4560-9730	28	91	B 6600	
6CV5	6.3	1C90-0BA0	44	91	A 7000	CAP = P on Adapter
6GY5	6.3	1C50-07A0	30	92	B 9000	CAP = P on Adapter
6HB5	6.3	1CB0-72A0	57	89	A 5600	
6HD5	6.3	1CB0-79A0	54	89	A 6000	
6HE5	6.3	1C90-6AB0	23	87	A 4500	
6HE7	6.3	1C90-5B80	54	91	A 7000	Pentode Sect.
6HE7	6.3	1C00-2040	0	86	C ----	Diode Sect.
6HF5	6.3	1C90-0BA0	62	88	A 4300	CAP = P on Adapter
6HJ5	6.3	1CB0-792A	54	90	A 6500	
6J9	6.3	4570-80A0	17	81	A 3000	Triode No. 1
6J9	6.3	4590-60A0	17	81	A 3000	Triode No. 2
6J9	6.3	4520-1030	17	81	A 3000	Triode No. 3
6J10	6.3	1C70-4685	6	27	B 700	Pentode No. 1
6J10	6.3	1CB0-9230	16	88	A 4350	Pentode No. 2
6J11	6.3	1CB0-978A	10	57	A 4000	Pentode No. 1
6J11	6.3	1C50-3264	10	57	A 4000	Pentode No. 2
6JB6	6.3	4520-0138	28	91	B 6600	CAP = P on Adapter
6JE6	6.3	4520-0738	39	92	B 8100	CAP = P on Adapter
6JF6	6.3	4520-0738	32	92	B 7800	CAP = P on Adapter
6JG6	6.3	4520-9736	32	92	B 7800	
6JM6	6.3	1C50-032A	43	91	A 7000	CAP = P on Adapter
6JN6	6.3	1CB0-732A	43	91	A 7000	
6JS6A	6.3	1C50-032A	53	88	A 4300	CAP = P on Adapter
6JT6	6.3	4520-9736	44	91	A 7000	
6JZ8	6.3	1C70-4890	25	88	A 5000	Pentode Sect.
6JZ8	6.3	1CA0-20B0	29	65	A 1350	Triode Sect.
6K11	6.3	1C90-A048	24	75	A 2200	Triode No. 1
6K11	6.3	1C70-5068	12	58	A 1250	Triode No. 2
6K11	6.3	1CB0-2038	12	58	A 1250	Triode No. 3
6KD6	6.3	1C50-0324	70	90	A 5000	CAP = P on Adapter
6KM6	6.3	4520-0738	65	89	A 5000	CAP = P on Adapter
6KN6	6.3	1C50-0324	60	88	A 4500	CAP = P on Adapter
6KY8	6.3	4520-6730	41	88	A 5000	Pentode Sect.
6KY8	6.3	4590-8010	22	15	A 600	Triode Sect.
6LR8	6.3	4520-6730	40	87	A 4000	Pentode Sect.
6LR8	6.3	4590-8010	24	62	A 1400	Triode Sect.
6LU8	6.3	1C60-4890	40	87	A 4000	Pentode Sect.
6LU8	6.3	1CA0-20B0	24	62	A 1400	Triode Sect.
6M11	6.3	1C20-B3A0	11	86	A 3750	Pentode Sect.
6M11	6.3	1C80-7090	20	82	A 3000	Triode No. 1
6M11	6.3	1C50-6040	20	82	A 3000	Triode No. 2
6MD8	6.3	4560-3070	20	85	A 3500	Triode No. 1
6MD8	6.3	4580-2070	20	85	A 3500	Triode No. 2
6MD8	6.3	4590-1070	20	85	A 3500	Triode No. 3
6Q11	6.3	1C90-A048	24	75	A 2200	Triode No. 1
6Q11	6.3	1C70-5068	12	58	A 1250	Triode No. 2
6Q11	6.3	1CB0-2038	12	58	A 1250	Triode No. 3
6T9	6.3	1C80-BA90	15	87	A 4500	Pentode Sect.
6T9	6.3	1C40-2050	19	36	A 950	Triode Sect.
6T10	6.3	1C80-BA90	19	88	A 4500	Pentode No. 1
6T10	6.3	1C30-7625	14	21	B 630	Pentode No. 2

MODEL 6000-6005 TUBE TESTERS

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
6U10	6.3	1C90-A040	26	74	A 1900	Triode No. 1
6U10	6.3	1C70-5060	19	14	A 575	Triode No. 2
6U10	6.3	1CB0-2030	26	74	A 1900	Triode No. 3
6Y10	6.3	1C80-BA90	20	86	A 4000	Pentode No. 1
6Y10	6.3	1C30-7625	12	67	A 1600	Pentode No. 2
6Z10	6.3	1C70-4685	6	27	B 700	Pentode No. 1
6Z10	6.3	1CB0-9230	16	88	A 4350	Pentode No. 2
8AC9	7.5	1C90-BA87	10	87	A 4200	Pentode Sect.
8AC9	7.5	1C00-3040	0	85	C ----	Diode No. 1
8AC9	7.5	1C00-2030	0	85	C ----	Diode No. 2
8AR11	7.5	1CA0-89B7	10	81	A 2700	Pentode No. 1
8AR11	7.5	1C50-2364	10	81	A 2700	Pentode No. 2
8B10	7.5	1C50-6070	28	75	A 2000	Triode No. 1. Set "Line Adjust" to 1700 on 3000 scale.
8B10	7.5	1C30-4020	28	75	A 2000	Triode No. 2
8B10	7.5	1C00-A090	0	76	C ----	Diode No. 1
8B10	7.5	1C00-8090	0	76	C ----	Diode No. 2
8BA11	7.5	1C40-6387	10	15	A 600	Pentode No. 1
8BA11	7.5	1C40-2385	10	15	A 600	Pentode No. 2
8BA11	7.5	1C90-B0A0	30	62	A 1600	Triode Sect.
8BM11	7.5	1CB0-79A8	10	85	A 3700	Pentode No. 1
8BM11	7.5	1C60-2354	13	84	A 3500	Pentode No. 2
8BQ11	7.5	1CA0-89B7	5	85	A 4000	Pentode No. 1
8BQ11	7.5	1C50-2364	5	89	A 5000	Pentode No. 2
8BU11	7.5	1C80-A9B0	10	85	A 3800	Pentode Sect.
8BU11	7.5	1C60-7050	15	89	A 5000	Triode No. 1
8BU11	7.5	1C40-3020	15	89	A 5000	Triode No. 2
9BJ11	10.0	1CB0-79A8	10	66	A 1600	Pentode No. 1
9BJ11	10.0	1C60-2354	13	84	A 3300	Pentode No. 2
10AL11	10.0	1C80-BA90	14	87	A 4300	Pentode No. 1
10AL11	10.0	1C30-6724	20	21	A 620	Pentode No. 2
10GF7	10.0	4590-8010	19	35	A 700	Triode No. 1
10GF7	10.0	4520-6030	57	91	A 7200	Triode No. 2
10J10	10.0	1C70-4685	6	27	B 700	Pentode No. 1
10J10	10.0	1CB0-9230	16	88	A 4350	Pentode No. 2
11AR11	10.0	1CA0-89B7	10	81	A 2700	Pent. No. 1
11AR11	10.0	1C50-2364	10	81	A 2700	Pent. No. 2
11BQ11	12.6	1CA0-89B7	10	85	A 3500	Pentode No. 1. Set "Line Adjust" to 1400 on 3000 scale.
11BQ11	12.6	1C50-2364	10	87	A 4000	Pentode No. 2
11BT11	10.0	1CB0-2A86	13	89	A 6000	Pentode Sect.
11BT11	10.0	1C50-7060	16	77	A 2800	Triode No. 1
11BT11	10.0	1C30-9040	23	78	A 3000	Triode No. 2
11FY7	10.0	1CA0-B090	20	32	A 800	Triode No. 1
11FY7	10.0	1C30-5070	54	92	A 6500	Triode No. 2
12AE10	12.6	1C80-BA90	23	82	A 3200	Pentode No. 1
12AE10	12.6	1C30-7625	22	35	A 800	Pentode No. 2
12AL11	12.6	1C80-BA90	14	87	A 4300	Pent. No. 1
12AL11	12.6	1C30-6724	20	21	A 620	Pent. No. 2
12AX3	12.6	1C00-4070	0	82	D ----	
12AY3	12.6	4500-2090	0	87	D ----	
12BE3	12.6	1C00-A070	0	89	D ----	
12BF11	12.6	1C80-BA90	25	88	A 5000	Pentode No. 1
12BF11	12.6	1C30-7625	13	7	A 540	Pentode No. 2
12BS3	12.6	4500-2090	0	83	D ----	
12BT3	12.6	1C00-4070	0	88	D ----	

MODEL 6000-6005 TUBE TESTERS

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8.

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
12G11	12.6	1C80-BA90	19	90	A 5600	Pentode No. 1
12G11	12.6	1C30-6724	10	10	A 500	Pentode No. 2
12GE5	12.6	1CB0-72A0	48	90	A 6000	
12GJ5	12.6	4560-0730	28	91	B 6600	CAP = P on Adapter
12GT5	12.6	4560-9730	28	91	B 6600	
12GV5	12.6	1C90-0BA0	44	91	A 7000	CAP = P on Adapter
12HE7	12.6	1C90-5B80	54	91	A 7000	Pentode Sect.
12HE7	12.6	1C00-2040	0	86	C ----	Diode Sect.
12JB6	12.6	4520-0138	28	91	B 6600	CAP = P on Adapter
12JN6	12.6	1CB0-7324	43	91	A 7000	
12JT6	12.6	4520-9736	44	91	A 7000	
12T10	12.6	1C80-BA90	19	88	A 4500	Pentode No. 1
12T10	12.6	1C30-7625	14	21	B 630	Pentode No. 2
13CW4	12.6	AC40-2080	23	79	A 2600	
13FM7	12.6	1CA0-B090	20	46	A 950	Triode No. 1
13FM7	12.6	1C80-5070	62	88	A 5250	Triode No. 2
13GF7	12.6	4590-8010	19	35	A 700	Triode No. 1
13GF7	12.6	4520-6030	57	91	A 7200	Triode No. 2
13J10	12.6	1C70-4685	6	27	B 700	Pentode No. 1
13J10	12.6	1CB0-9230	16	88	A 4350	Pentode No. 2
13V10	12.6	1C80-BA90	21	87	A 4200	Pentode No. 1
13V10	12.6	1C30-7625	24	0	A 500	Pentode No. 2
13Z10	12.6	1C70-4685	6	27	B 700	Pentode No. 1
13Z10	12.6	1CB0-9230	16	88	A 4350	Pentode No. 2
14BL11	12.6	1CB0-2A80	13	90	A 5500	Pentode Sect.
14BL11	12.6	1C50-7060	14	82	A 3000	Triode No. 1
14BL11	12.6	1C30-9040	22	82	A 3000	Triode No. 2
14BR11	12.6	1C20-B340	10	89	A 4750	Pentode Sect.
14BR11	12.6	1C80-6050	17	81	A 2600	Triode No. 1
14BR11	12.6	1CA0-9070	14	82	A 3000	Triode No. 2
15AF11	12.6	1CB0-2A90	8	90	A 5400	Pent. Sect. Set "Line Adjust" at 1450 on 3000 scale.
15AF11	12.6	1C60-8050	17	81	A 2700	Triode No. 1
15AF11	12.6	1C30-4070	13	82	A 2800	Triode No. 2
15BD11	17.0	1CB0-2A90	12	87	A 4500	Pent. Sect. Set "Line Adjust" at 1400 on 3000 scale.
15BD11	17.0	1C60-8050	13	78	A 2500	Triode No. 1
15BD11	17.0	1C30-4070	10	80	A 2750	Triode No. 2
15FM7	12.6	1CA0-B090	22	46	A 950	Triode No. 1. Set "Line Adjust" at 1700 on 3000 scale.
15FM7	12.6	1C80-5070	64	88	A 5250	Triode No. 2
15FY7	12.6	1CA0-B090	18	33	A 750	Triode No. 1. Set "Line Adjust" at 1450 on 3000 scale.
15FY7	12.6	1C30-5070	47	91	A 6500	Triode No. 2
15KY8	17.0	4520-6730	42	80	A 2550	Pent. Sect. Set "Line Adjust" at 1425 on 3000 scale.
15KY8	17.0	4590-8010	19	27	A 700	Triode Sect.
16GY5	17.0	1C90-0BA0	55	90	A 6250	CAP = P on Adapter
16KA6	17.0	1C50-03A4	57	89	A 5500	CAP = P on Adapter
17AB10	17.0	1C70-4685	6	27	B 700	Limiter Grid
17AB10	17.0	1C50-4687	13	0	B 500	Quadrature Grid
17AB10	17.0	1CB0-9230	25	83	A 3100	Pentode No. 2
17AX3	17.0	1C00-4070	0	82	D ----	
17AY3	17.0	4500-2090	0	87	D ----	
17BE3	17.0	1C00-A070	0	89	D ----	

MODEL 6000-6005 TUBE TESTERS

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
17BF11	17.0	1C80-BA90	25	88	A 5000	Pentode No. 1 Pentode No. 2
17BF11	17.0	1C30-7625	13	7	A 550	
17BH3	17.0	4500-2090	0	87	D ----	
17BS3	17.0	4500-2090	0	83	D ----	
17BZ3	17.0	1C00-A070	0	86	C ----	
17C9	17.0	4570-9860	15	85	A 3200	
17C9	17.0	4510-32A0	15	85	A 3200	Tetrode No. 2
17GE5	17.0	1CB0-72A0	48	90	A 6000	CAP = P on Adapter
17GJ5	17.0	4560-0730	28	91	B 6600	
17GT5	17.0	4560-9730	28	91	B 6600	
17GV5	17.0	1C90-0BA0	44	91	A 7000	
17JB6	17.0	4520-0138	28	91	B 6600	
17JG6	17.0	4520-9736	32	92	B 7800	CAP = P on Adapter
17JM6	17.0	1C50-032A	43	91	A 7000	
17JN6	17.0	1CB0-732A	43	91	A 7000	
17JT6	17.0	4520-9736	44	91	A 7000	
17JZ8	17.0	1C70-4890	33	88	A 5000	
17JZ8	17.0	1CA0-20B0	31	57	A 1350	Triode Sect.
17LD8	17.0	4520-6730	33	90	A 5750	Pentode Sect.
17LD8	17.0	4590-8010	28	69	A 1650	Triode Sect.
17X10	17.0	1C70-4685	6	27	B 700	Limiter Grid
17X10	17.0	1C50-4687	13	0	B 500	Quadrature Grid
17X10	17.0	1CB0-9230	25	83	A 3100	Pentode No. 2
19Q9	20.0	4510-32A6	10	82	A 3100	Pentode Sect.
19Q9	20.0	4580-9076	18	87	A 4600	Triode Sect.
21GY5	20.0	1C50-07A0	30	92	B 9000	CAP = P on Adapter
21HB5	20.0	1CB0-72A0	57	89	A 5600	CAP = P on Adapter
21HD5	20.0	1CB0-79A0	54	89	A 6000	
21HJ5	20.0	1CB0-792A	54	90	A 6500	
21JV6	20.0	1CB0-732A	55	91	A 7000	
21JZ6	20.0	1C50-032A	56	91	A 7000	
21KA6	20.0	1C50-03A4	57	89	A 5500	CAP = P on Adapter
21LR8	20.0	4520-6730	40	87	A 4000	Pentode Sect.
21LR8	20.0	4590-8010	24	62	A 1400	Triode Sect.
21LU8	20.0	1C60-4890	40	87	A 4000	Pentode Sect.
21LU8	20.0	1CA0-20B0	24	62	A 1400	Triode Sect.
22BH3	20.0	4500-2090	0	87	D ----	Set "Line Adjust" at 1800 on 3000 scale.
22BW3	20.0	1C00-A070	0	89	D ----	CAP = P on Adapter
22JF6	20.0	4520-0738	32	92	B 7800	
22JG6	20.0	4520-9736	32	92	B 7800	
22JU6	20.0	4520-0738	57	89	A 4000	
23Z9	25.0	1C80-5970	35	88	A 5000	
23Z9	25.0	1CA0-B070	20	76	A 2200	Triode No. 1
23Z9	25.0	1C30-2070	30	69	A 1800	Triode No. 2
24GA7	25.0	1C40-7350	58	89	A 4500	Pentode Sect.
24GA7	25.0	1C00-B080	0	85	D ----	Diode Sect.
28HD5	25.0	1CB0-79A0	54	89	A 6000	Triode No. 1. Set "Line Adjust" at 1350 on 3000 scale.
30AG11	35.0	1C50-6040	15	87	A 4000	
30AG11	35.0	1C80-7090	15	87	A 4000	
30AG11	35.0	1C00-A0B0	0	76	C ----	
30AG11	35.0	1C00-3020	0	76	C ----	
31JS6A	35.0	1C50-0324	53	88	A 4300	CAP = P on Adapter

MODEL 6000-6005 TUBE TESTERS

NOTE: When using CA-4 Adapter, set Tester Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	SHUNT	FUNCT. AND MUT. COND.	NOTATIONS
32GA7	35.0	1C40-7350	58	89	A 4500	Pentode Sect. Diode Sect. Pentode Sect. Diode Sect. Pentode Sect. Diode Sect.
32GA7	35.0	1C00-B080	0	85	D ----	
33GT7	35.0	1CB0-5A80	31	91	B 6000	
33GT7	35.0	1C00-2040	0	95	D ----	
33GY7	35.0	1CA0-5B80	31	91	B 6000	
33GY7	35.0	1C00-2040	0	95	D ----	
33JV6	35.0	1CB0-732A	55	91	A 7000	
34CD3	35.0	1C00-A070	0	93	D ----	Pentode Sect. Set "Line Adjust" at 1400 on 3000 scale. Diode Sect. Pentode Sect. Diode Sect.
34CE3	35.0	1C00-4070	0	86	C ----	
38HE7	50.0	1C90-5B80	51	91	A 7000	
38HE7	50.0	1C00-2040	0	85	C ----	
38HK7	35.0	1C90-5B80	55	90	A 6000	CAP = P on Adapter
38HK7	35.0	1C00-2040	0	87	C ----	
42KN6	50.0	1C50-0324	60	89	A 500	
7586	6.3	AC40-2080	28	78	A 2500	
7587	6.3	AC40-0280	11	85	B 3800	
7587	6.3	AC40-0280	11	85	B 3800	
7868	6.3	4560-9730	18	89	A 5200	OK above 1300 on 3000 scale. CAP = P; SHELL = G on Adapter
7895	6.3	AC40-2080	22	82	A 3200	
7984	12.6	1CA0-3B90	42	87	A 4050	
8056	6.3	AC40-2080	10	75	C ----	
8058	6.3	AC00-0080	19	85	A 3800	
8058	6.3	AC00-0080	19	85	A 3800	
8149	12.6	1CA0-7890	44	88	A 4500	CAP = P on Adapter
8150	12.6	1CA0-0860	44	88	A 4500	
8156	12.6	1CA0-3760	25	90	A 5000	
8203	6.3	AC40-2080	29	78	A 2400	
8393	12.6	AC40-2080	27	85	A 3700	
8393	12.6	AC40-2080	27	85	A 3700	

OPERATING DATA
FOR THE
MODEL CA-4 ADAPTER
WHEN USED WITH
MODEL 750
ROLL CHART TUBE TESTER



- Note 1:** A # in the Bias column indicates Bias should be set at 100 and proper button pressed while Bias Dial is rotated until tube strikes.
- Note 2:** For voltage regulator tubes a star ★ in the Notations column identifies the approximate starting voltage and the figure in the Mut. Cond. column represents the nominal operating voltage.
- Note 3.** Set PLATE VOLTS Switch on NORMAL position for all tests that DO NOT have Plate Volts=Low notation.

INSTRUCTIONS FOR USING THE MODEL CA-4 COMPACTRON ADAPTER
WITH A ROLL-CHART TUBE TESTER

The Hickok Model CA-4 Compactron Adapter is used in conjunction with Hickok CARDMATIC and Roll-Chart tube testers to test Compactrons, Novars, 5 and 7-pin Nuvistors, and 10-pin header tubes.

The CA-4 Adapter consists of:

- a) Eight (8) rotary switches which are used to select the pins of each individual element of the tube to be tested.
- b) Five (5) tube sockets.
- c) Three (3) jacks labeled "G", "P", and "K" which are used for connection to the tube top cap.
- d) A test plug which is connected to the CA-4 by a cable. This test plug is inserted into the octal socket of the tube tester that is to be used with the CA-4. The following table lists the pin numbers of the test plug and the associated tube element switch.

OCTAL PLUG PIN NUMBER	TUBE ELEMENT SWITCH
1	FILAMENT
2	FILAMENT
3	GRID A
4	GRID B
5	PLATE
6	SCREEN
7	CATHODE
8	SUPPRESSOR

The tube element switch settings on the adapter are connected in parallel with the pins of each tube socket mounted on the CA-4. The following table lists the switch and the associated pin number of the tube sockets.

SWITCH SETTINGS	PIN NUMBERS
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
A	10
B	11
C	12
D	No Connection
0	No Connection

The three jacks marked "G", "P", and "K" located on the left side of the adapter are internally connected to their respective element switch (grid, plate, and cathode). They are used for cap connections (test lead supplied). The proper top cap connection is indicated in the NOTATIONS column of the chart on the following pages.

CAUTION

When using the CA-4 with a Roll-Chart tube tester set the element switches as specified before inserting the tube to be tested.

MODEL 750 TUBE TESTER

Supplementary Data - CA-4 Adapter

NOTE: When using CA-4 Adapter, set Test Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	RANGE	PRESS	MUT. COND	NOTATIONS
1AD2	1.4	1C00-0000	0	A 53	P5	- ----	CAP = P on Adapter
2AH2	2.5	1C00-0000	0	A 79	P5	- ----	CAP = P on Adapter
2AS2	2.5	1C00-0000	0	A 80	P5	- ----	CAP = P on Adapter
2CW4	2.0	AC40-2080	9	B 87	P4	E 9000	Plate Volts = Low
2DS4	2.0	AC40-2080	9	B 85	P4	E 7500	Plate Volts = Low
2DV4	2.0	AC60-1070	25	B 89	P4	E 6500	
3AT2	3.0	1C00-0000	0	A 84	P5	- ----	CAP = P on Adapter
3AW2	3.0	2C00-0000	0	A 90	P5	- ----	CAP = P on Adapter
4HA7	4.3	1C90-A040	21	B 78	P4	D 2900	Triode No. 1
4HA7	4.3	1CB0-2030	17	B 13	P4	C 700	Triode No. 2
4HC7	4.3	1C90-A040	12	B 84	P4	D 4400	Triode No. 1
4HC7	4.3	1CB0-2030	19	B 20	P4	C 700	Triode No. 2
5BC3	5.0	1300-9000	0	B 35	P3	- ----	Plate No. 1
5BC3	5.0	1300-5000	0	B 30	P3	- ----	Plate No. 2
5HA7	5.0	1C90-A040	21	B 78	P4	D 2900	Triode No. 1
5HA7	5.0	1CB0-2030	17	B 13	P4	C 700	Triode No. 2
5HC7	5.0	1C90-A040	12	B 84	P4	D 4400	Triode No. 1
5HC7	5.0	1CB0-2030	19	B 20	P4	C 700	Triode No. 2
6AC9	6.3	1C90-BA87	10	B 85	P4	E 7500	Pentode Sect.
6AC9	6.3	1C00-3040	0	A 83	P1	- ----	Diode No. 1
6AC9	6.3	1C00-2030	0	A 83	P1	- ----	Diode No. 2
6AC10	6.3	1C90-A040	11	B 84	P4	E 7000	Triode No. 1
6AC10	6.3	1C70-5060	11	B 84	P4	E 7000	Triode No. 2
6AC10	6.3	1CB0-2030	11	B 84	P4	E 7000	Triode No. 3
6AD10	6.3	1C30-7625	12	B 58	P4	C 1500	Pentode No. 1
6AD10	6.3	1C80-BA90	7	A 82	P4	D 5300	Pentode No. 2
6AF11	6.3	1CB0-2A90	12	B 85	P4	E 7000	Pentode Sect.
6AF11	6.3	1C60-8050	14	B 78	P4	D 4400	Triode No. 1
6AF11	6.3	1C30-4070	11	B 76	P4	D 3200	Triode No. 2
6AG11	6.3	1C50-6040	17	B 83	P4	D 3600	Triode No. 1
6AG11	6.3	1C80-7090	17	B 83	P4	D 3600	Triode No. 2
6AG11	6.3	1C00-A0B0	0	A 77	P1	- ----	Diode No. 1
6AG11	6.3	1C00-3020	0	A 77	P1	- ----	Diode No. 2
6AL11	6.3	1C80-BA90	18	B 88	P4	E 5600	Pentode No. 1
6AL11	6.3	1C30-6724	21	B 17	P4	C 450	Pentode No. 2
6AR11	6.3	1CA0-89B7	6	B 85	P4	E 9000	Pentode No. 1
6AR11	6.3	1C50-2364	6	B 85	P4	E 9000	Pentode No. 2
6AS11	6.3	1CB0-2A90	14	B 86	P4	E 6000	Pentode Sect.
6AS11	6.3	1C60-8050	14	B 80	P4	D 4600	Triode No. 1
6AS11	6.3	1C30-4070	14	B 80	P4	D 4200	Triode No. 2
6AV11	6.3	1C90-A040	23	B 84	P4	C 2550	Triode No. 1
6AV11	6.3	1C70-5060	23	B 84	P4	C 2550	Triode No. 2
6AV11	6.3	1CB0-2030	23	B 84	P4	C 2550	Triode No. 3
6AX3	6.3	1C00-4070	0	B 40	P3	- ----	
6AY3	6.3	4500-2090	0	B 48	P3	- ----	
6AY11	6.3	1C80-7090	13	B 65	P4	G 900	Triode No. 1
6AY11	6.3	1C50-6040	13	B 65	P4	G 900	Triode No. 2
6AY11	6.3	1C00-A0B0	0	A 78	P1	- ----	Diode No. 1
6AY11	6.3	1C00-3020	0	A 78	P1	- ----	Diode No. 2
6B10	6.3	1C50-6070	22	B 83	P4	D 2500	Triode No. 1
6B10	6.3	1C30-4020	22	B 83	P4	D 2500	Triode No. 2
6B10	6.3	1C00-A090	0	A 78	P1	- ----	Diode No. 1
6B10	6.3	1C00-8090	0	A 78	P1	- ----	Diode No. 2

MODEL 750 TUBE TESTER

MODEL 750 TUBE TESTER

NOTE: When using CA-4 Adapter, set Test Selectors to BS-3567-8

NOTE: When using CA-4 Adapter, set Test Selectors to BS-3567-8

Table with columns: TUBE TYPE, FIL, ADAPTER SELECTORS, BIAS, RANGE, PRESS, MUT.COND, NOTATIONS. Rows include tube types like 6BA3, 6BE3, 6BJ3, 6BS3, 6CE3, 6D10, 6FJ7, 6G11, 6GF7, 6GV5.

Table with columns: TUBE TYPE, FIL, ADAPTER SELECTORS, BIAS, RANGE, PRESS, MUT.COND, NOTATIONS. Rows include tube types like 6GY5, 6HB5, 6HF5, 6JN6, 6K11, 6LD6, 6L8, 6M11, 6Q11, 6U10.

MODEL 750 TUBE TESTER

MODEL 750 TUBE TESTER

NOTE: When using CA-4 Adapter, set Test Selectors to BS-3567-8

NOTE: When using CA-4 Adapter, set Test Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	RANGE	PRESS	MUT.COND	NOTATIONS
6Y10	6.3	1C80-BA90	18	B 85	P4	D 5000	Pentode No. 1
6Y10	6.3	1C30-7625	13	B 65	P4	C 1800	Pentode No. 2
6Z10	6.3	1C70-4685	0	A 30	P4	G 800	Pentode No. 1
6Z10	6.3	1CB0-4230	20	B 87	P4	E 5700	Pentode No. 2
8AC9	7.5	1C90-BA87	10	B 85	P4	E 7500	Pentode Sect.
8AC9	7.5	1C00-3040	0	A 83	P1	- ----	Diode No. 1
8AC9	7.5	1C00-2030	0	A 83	P1	- ----	Diode No. 2
8AR11	7.5	1CA0-89B7	6	B 85	P4	E 9000	Pentode No. 1
8AR11	7.5	1C50-2364	6	B 85	P4	E 9000	Pentode No. 2
8B10	7.5	1C50-6070	28	B 74	P4	C 2150	Triode No. 1) Set "Line
8B10	7.5	1C30-4020	28	B 74	P4	C 2150	Triode No. 2) Adjust" at
8B10	7.5	1C00-A090	0	A 77	P1	- ----	Diode No. 1) 1750 on 3000
8B10	7.5	1C00-8090	0	A 77	P1	- ----	Diode No. 2) scale
8BA11	7.5	1C40-6387	10	B 21	P4	C 550	Pentode No. 1
8BA11	7.5	1C40-2385	10	B 21	P4	C 550	Pentode No. 2
8BA11	7.5	1C90-B0A0	30	B 63	P4	C 1800	Triode Sect.
8BM11	7.5	1CB0-79A8	10	B 84	P4	E 6500	Pentode No. 1
8BM11	7.5	1C60-2354	12	B 83	P4	E 6000	Pentode No. 2
8BQ11	7.5	1CA0-89B7	5	B 84	P4	E 8500	Pentode No. 1
8BQ11	7.5	1C50-2364	5	B 86	P4	E 11000	Pentode No. 2
8BU11	7.5	1C80-A9B0	10	B 84	P4	D 4600	Pentode Sect.
8BU11	7.5	1C60-7050	15	B 88	P4	E 7500	Triode No. 1
8BU11	7.5	1C40-3020	15	B 88	P4	E 7500	Triode No. 2
9BJ11	10.0	1CB0-79A8	10	B 65	P4	C 1700	Pentode No. 1
9BJ11	10.0	1C60-2354	13	B 83	P4	E 6500	Pentode No. 2
10AL11	10.0	1C80-BA90	18	B 88	P4	E 5600	Pentode No. 1
10AL11	10.0	1C30-6724	21	B 17	P4	C 450	Pentode No. 2
10GF7	10.0	4590-8010	19	B 32	P4	C 400	Triode No. 1
10GF7	10.0	4520-6030	61	B 88	P4	E 400	Triode No. 2
10J10	10.0	1C70-4685	0	A 30	P4	G 800	Pentode No. 1
10J10	10.0	1CB0-9230	20	B 87	P4	E 5700	Pentode No. 2
11AR11	10.0	1CA0-89B7	6	B 84	P4	E 8000	Pent. No. 1) Set "Line Adjust" at
11AR11	10.0	1C50-2364	6	B 84	P4	E 8000	Pent. No. 2) 1350 on 3000 scale.
11BQ11	12.6	1CA0-89B7	10	B 81	P4	D 4250	Pent. No. 1) Set "Line Adjust" at
11BQ11	12.6	1C50-2364	10	B 83	P4	D 5000	Pent. No. 2) 90 on 200 scale.
11BT11	10.0	1CB0-2A86	8	A 85	P4	E 12500	Pentode Sect.
11BT11	10.0	1C50-7060	11	A 68	P4	D 5300	Triode No. 1
11BT11	10.0	1C30-9040	19	A 61	P4	D 5200	Triode No. 2
11FY7	10.0	1CA0-B090	20	B 15	P4	C 625	Triode No. 1
11FY7	10.0	1C30-5070	54	B 90	P4	E 4750	Triode No. 2
12AE10	12.6	1C80-BA90	23	A 72	P4	D 3000	Pentode No. 1
12AE10	12.6	1C30-7625	18	B 46	P4	C 1000	Pentode No. 2
12AL11	12.6	1C80-BA90	18	B 88	P4	E 5600	Pent. No. 1
12AL11	12.6	1C30-6724	21	B 17	P4	C 450	Pent. No. 2
12AX3	12.6	1C00-4070	0	B 40	P3	- ----	
12AY3	12.6	4500-2090	0	B 48	P3	- ----	
12BE3	12.6	1C00-A070	0	B 58	P3	- ----	
12BF11	12.6	1C80-BA90	30	B 89	P4	E 5400	Pentode No. 1
12BF11	12.6	1C30-7625	17	B 16	P4	C 300	Pentode No. 2
12BS3	12.6	4500-2090	0	A 50	P3	- ----	
12BT3	12.6	1C00-4070	0	B 60	P3	- ----	
12G11	12.6	1C80-BA90	39	B 85	P4	D 4000	Pentode No. 1
12G11	12.6	1C30-6724	13	A 10	P4	G 375	Pentode No. 2
12GE5	12.6	1CB0-72A0	50	B 88	P4	E 4750	
12GJ5	12.6	4560-0730	31	B 89	--	E 6600	CAP = P on Adapter. Hold down P1 and Press P4

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	RANGE	PRESS	MUT.COND.	NOTATIONS
12GT5	12.6	4560-9730	31	B 89	--	E 6600	Hold down P1 and Press P4 CAP = P on Adapter Pentode Sect. Diode Sect. CAP = P on Adapter Hold down P1 and Press P4
12GV5	12.6	1C90-0BA0	45	B 90	P4	E 5000	
12HE7	12.6	1C90-5B80	57	B 90	P4	D 4700	
12HE7	12.6	1C00-2040	0	A 85	P1	- ----	
12JB6	12.6	4520-0138	31	B 89	--	E 7000	
12JN6	12.6	1CB0-7324	47	B 91	P4	E 5500	
12JT6	12.6	4520-9736	47	B 89	P4	E 5000	Pentode No. 1 Pentode No. 2 Plate Volts = Low Triode No. 1 Triode No. 2 Triode No. 1 Triode No. 2
12T10	12.6	1C80-BA90	17	B 87	P4	D 5350	
12T10	12.6	1C30-7625	15	B 19	P4	C 630	
13CW4	12.6	AC40-2080	9	B 87	P4	E 9000	
13FM7	12.6	1CA0-B090	20	B 45	P4	C 1000	
13FM7	12.6	1C80-5070	61	B 85	P4	D 4000	
13GF7	12.6	4590-8010	19	B 32	P4	C 400	
13GF7	12.6	4520-6030	61	B 88	P4	E 400	
13J10	12.6	1C70-4685	0	A 30	P4	G 800	
13J10	12.6	1CB0-9230	20	B 87	P4	E 5700	
13V10	12.6	1C80-BA90	22	B 80	P4	D 4500	Pentode No. 1
13V10	12.6	1C30-7625	23	B 0	P4	C 500	Pentode No. 2
13Z10	12.6	1C70-4685	0	A 30	P4	G 800	Pentode No. 1
13Z10	12.6	1CB0-9230	20	B 87	P4	E 5700	Pentode No. 2
14BL11	12.6	1CB0-2A80	13	B 88	P4	E 10500	Pentode Sect. Triode No. 1 Triode No. 1 Pentode Sect. Triode No. 1 Triode No. 2
14BL11	12.6	1C50-7060	16	B 80	P4	E 400	
14BL11	12.6	1C30-9040	16	B 88	P4	E 600	
14BR11	12.6	1C20-B340	10	B 87	P4	E 7000	
14BR11	12.6	1C80-6050	12	B 84	P4	E 6000	
14BR11	12.6	1C40-9070	13	B 82	P4	E 5000	
15AF11	12.6	1CB0-2A90	14	B 89	P4	E 8700	
15AF11	12.6	1C60-8050	15	B 84	P4	D 5100	
15AF11	12.6	1C30-4070	15	B 84	P4	D 4800	Pent. Sect.) Set "Line Triode No. 1) Adjust" at 1750 Triode No. 2) on 3000 scale. Pent. Sect.) Set "Line Triode No. 1) Adjust" at 110 Triode No. 2) on 200 scale.
15BD11	12.6	1CB0-2A90	19	B 85	P4	E 7000	
15BD11	12.6	1C60-8050	14	B 81	P4	D 5200	
15BD11	12.6	1C30-4070	18	B 80	P4	D 4400	
15FM7	12.6	1CA0-B090	22	B 45	P4	C 1000	Triode No. 1) Set "Line Adjust" Triode No. 2) at 110 on 200 scale Triode No. 1) Set "Line Adjust" Triode No. 2) at 1750 on 3000) scale.
15FM7	12.6	1C80-5070	69	B 85	P4	D 4000	
15FY7	12.6	1CA0-B090	20	B 27	P4	C 375	
15FY7	12.6	1C30-5070	55	B 91	P4	E 6500	
15KY8	12.6	4520-6730	43	B 89	P4	E 5600	Pent. Sect.) Set "Line Adjust" Triode Sect.) at 875 on 1500) scale.
15KY8	12.6	4590-8010	19	B 48	P4	C 1000	
16GY5	20.0	1C90-0BA0	51	B 91	P3	E 6000	CAP = P on Adapter. Set "Line Adjust" at 1300 on 3000 scale. CAP = P. Set "Line Adjust" at 90 on 200 scale.
16KA6	20.0	1C50-03A4	60	B 91	P4	E 4500	
17AB10	20.0	1C70-4685	0	A 30	P4	G 800	Limiter Grid) Set "Cath. Act" Quadrature Grid) switch to Life Pentode No. 2) Test pos. Set "Line Adjust" at 94 on 200 scale.
17AB10	20.0	1C50-4687	0	A 40	P4	G 825	
17AB10	20.0	1CB0-9230	29	B 86	P4	D 4300	
17AX3	20.0	1C00-4070	0	B 35	P3	- ----	
17AY3	20.0	4500-2090	0	B 43	P3	- ----	Set "Line Adjust" at 94 on 0 to 200 scale.
17BE3	20.0	1C00-A070	0	B 52	P3	- ----	Set "Line Adjust" at 94 on 200 scale.

MODEL 750 TUBE TESTER

MODEL 750 TUBE TESTER

NOTE: When using CA-4 Adapter, set Test Selectors to BS-3567-8

NOTE: When using CA-4 Adapter, set Test Selectors to BS-3567-8

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	RANGE	PRESS	MUT.COND.	NOTATIONS
17BF11	20.0	1C80-BA90	30	B 89	P4	E 5400	Pent. No. 1) Set Cath. Act. Pent. No. 2) switch to Life Test) position
17BF11	20.0	1C30-7625	17	B 16	P4	C 300	
17BH3	20.0	4500-2090	0	B 43	P3	- ----	Set "Line Adjust" at 94 on 0 to 200 scale.
17BS3	20.0	4500-2090	0	A 45	P3	- ----	Set "Line Adjust" at 90 on 0 to 200 scale.
17BZ3	20.0	1C00-A070	0	A 69	P3	- ----	Set "Line Adjust" at 90 on 200 scale.
17C9	20.0	4570-9860	16	B 79	P4	D 4300	Tetrode No. 1) Set "Line Adjust" Tetrode No. 2) at 84 on 0 to 200) scale.
17C9	20.0	4510-32A0	16	B 79	P4	D 4300	
17GE5	20.0	1CB0-72A0	45	B 85	P4	D 4400	Set "Line Adjust" at 1350 on 3000 scale. CAP = P on Adapter. Hold P1 and press P4. Set Cath. Act. Switch to Life Test Pos. Hold down P1 and Press P4. Set Cath. Act. Switch to Life Test Pos. CAP = P on Adapter. Set Line Adjust at 1350 on 3000 scale.
17GJ5	20.0	4560-0730	31	B 89	--	E 7000	
17GT5	20.0	4560-9730	31	B 89	--	E 7000	
17GV5	20.0	1C90-0BA0	44	B 90	P4	E 5000	
17JB6	20.0	4520-0138	31	B 89	--	E 7000	
17JG6A	20.0	4520-9736	26	B 91	--	E 7800	CAP = P on Adapter. Hold down P1 and Press P4. Set Cath Act. Switch to Life Test Pos. Set Line Adjust at 94 on 200 scale. Hold down P1 and press P4 CAP = P on Adapter. Set Cath. Act. Switch to Life Test Pos. Set "Cath Act." switch to Life Test Pos. Set "Cath. Act." switch to Life Test Pos.
17JM6	20.0	1C50-032A	47	B 91	P4	E 5500	
17JN6	20.0	1CB0-7324	47	B 91	P4	E 5500	
17JT6	20.0	4520-9736	47	B 89	P4	E 5000	
17JZ8	20.0	1C70-4890	35	B 86	P4	D 4600	
17JZ8	20.0	1CA0-20B0	32	B 49	P4	C 1250	Pent. Sect.) Set Cath. Act. Triode Sect.) Switch to Life Test Pos. Pentode Sect.) Set "Line Adjust" Triode Sect.) at 90 on 200) scale
17LD8	20.0	4520-6730	32	B 88	P4	D 4600	
17LD8	20.0	4590-8010	28	B 68	P4	C 1650	Limiter Grid) Set "Cath. Act." Quadrature Grid) Switch to Life Pentode No. 2) Test Pos.
17X10	20.0	1C70-4685	0	A 30	P4	G 800	
17X10	20.0	1C50-4687	0	A 40	P4	G 825	
17X10	20.0	1CB0-9230	29	B 86	P4	D 4300	
19Q9	20.0	4510-32A6	10	B 80	P4	D 4000	Pentode Sect. Triode Sect. CAP = P on Adapter
19Q9	20.0	4580-9076	15	B 87	P4	E 6500	
21GY5	20.0	1C50-07A0	30	B 91	P4	E 10000	
21HB5	20.0	1CB0-72A0	59	B 85	P4	D 4000	
21HD5	20.0	1CB0-79A0	52	B 89	P4	F 6000	
21HJ5	20.0	1CB0-792A	53	B 90	P4	D 5400	
21JV6	20.0	1CB0-732A	60	B 88	P4	E 4500	
21JZ6	20.0	1C50-0324	60	B 87	P4	D 4600	
21KA6	20.0	1C50-03A4	60	B 86	P4	E 4500	CAP = P on Adapter Pentode Sect. Triode Sect. Pentode Sect. Triode Sect.
21LR8	20.0	4520-6730	40	B 88	P4	E 5500	
21LR8	20.0	4590-8010	20	B 79	P4	D 2400	
21LU8	20.0	1C60-4890	40	B 88	P4	E 5500	
21LU8	20.0	1CA0-20B0	20	B 79	P4	D 2400	

TUBE TYPE	FIL	ADAPTER SELECTORS	BIAS	RANGE	PRESS	MUT.COND.	NOTATIONS
22BH3	20.0	4500-2090	0	B 43	P3	- ----	Set "Line Adjust" to 119 on 200 scale.
22BW3	25.0	1C00-A070	0	B 49	P3	- ----	
22JF6	20.0	4520-0738	29	B 91	--	E 7800	CAP = P on Adapter Hold down P1 and Press P4 Hold down P1 and Press P4 CAP = P on Adapter Pentode Sect. Triode No. 1 Triode No. 2
22JG6	20.0	4520-9736	29	B 91	--	E 7800	
22JU6	20.0	4520-0738	62	B 85	P4	D 4000	
23Z9	25.0	1C80-5970	40	B 87	P4	E 4500	
23Z9	25.0	1CA0-B070	19	B 80	P4	D 3200	
23Z9	25.0	1C30-2070	32	B 66	P4	C 1700	
24GA7	25.0	1C40-7350	50	B 88	P4	D 4700	Pentode Sect. Diode Sect.
24GA7	25.0	1C00-B080	0	A 40	P3	- ----	
28HD5	25.0	1CB0-79A0	52	B 89	P4	F 6000	Triode No. 1) Set "Line Triode No. 2) Adjust" at Diode No. 1) 84 on 200 Diode No. 2) scale
30AG11	35.0	1C50-6040	16	B 83	P4	D 3600	
30AG11	35.0	1C80-7090	16	B 83	P4	D 3600	
30AG11	35.0	1C00-A0B0	0	A 75	P1	- ----	
30AG11	35.0	1C00-3020	0	A 75	P1	- ----	
31JS6A	35.0	1C50-0324	60	B 90	P4	D 3500	CAP = P on Adapter Pentode Sect. Diode Sect. Pent. Sect. Hold down P1 and Press P4. Diode Sect. Pent. Sect. Hold down P1 and Press P4. Diode Sect.
32GA7	35.0	1C40-7350	50	B 88	P4	D 4700	
32GA7	35.0	1C00-B080	0	A 40	P3	- ----	
33GT7	35.0	1CB0-5A80	33	A 88	--	E 7250	
33GT7	35.0	1C00-2040	0	A 75	P3	- ----	
33GY7	35.0	1CA0-5B80	33	A 88	--	E 7250	Plate Volts = Low CAP = P on Adapter. Hold down P1 and Press P4
33GY7	35.0	1C00-2040	0	A 75	P3	- ----	
33JV6	35.0	1CB0-732A	60	B 88	P4	E 4500	
34CD3	35.0	1C00-A070	0	B 79	P1	- ----	
34CE3	35.0	1C00-4070	0	A 85	P1	- ----	
38HE7	50.0	1C90-5B80	55	B 89	P4	D 4700	
38HE7	50.0	1C00-2040	0	A 84	P1	- ----	
38HK7	35.0	1C90-5B80	50	B 90	P4	E 5000	
38HK7	35.0	1C00-2040	0	A 85	P1	- ----	
42KN6	50.0	1C50-0324	65	B 88	P4	D 4000	
7586	6.3	AC40-2080	15	B 90	P4	E 9750	CAP = P on Adapter. Hold down P1 and Press P4
7587	6.3	AC40-0280	10	B 84	--	E 7000	
7868	6.3	4560-9730	10	B 90	P4	E 8500	
7895	6.3	AC40-2080	16	B 89	P4	E 8250	
7984	12.6	1CA0-3B90	42	B 88	P4	D 4250	Make no Gas Test CAP = P, SHELL = G on Adapter CAP = P on Adapter
8056	6.3	AC40-2080	10	B 74	P1	- ----	
8058	6.3	AC00-0080	13	B 89	P4	E 10000	
8149	12.6	1CA0-7890	48	B 89	P4	D 4600	
8150	12.6	1CA0-0860	48	B 89	P4	D 4600	
8156	12.6	1CA0-3760	32	B 90	P4	D 4600	
8203	6.3	AC40-2080	26	B 86	P4	D 4200	
8393	12.6	AC40-2080	23	B 88	P4	E 7500	

CARDMATIC CARD ORDER FORM

THE HICKOK ELECTRICAL INSTRUMENT CO.

10514 DUPONT AVENUE
CLEVELAND, OHIO 44108

MODEL CA-4 ADAPTER

FOR USE WITH

MODELS 123A, 123R, 1230

TO SIMPLIFY ORDERING, FOLLOW THE STEP-BY-STEP SEQUENCE 1 THROUGH 6, BELOW.

1 SHIP TO: (Type or Print)

Name _____

Firm _____

Address _____

City _____

State _____

Zip Code _____

DO NOT USE THIS SPACE

2 BILL TO:

Name _____

Firm _____

Address _____

City _____

State _____

Zip Code _____

3 HOW SHALL WE SHIP?

Parcel Post

Air Parcel Post

Other (Specify) _____

4 HOW TO ORDER

All tube test cards currently available are listed on the following page. In the column headed "No. of CARDS", circle the number opposite "Tube Type" desired. (Note that many tubes require multiple cards for complete testing.) Total the number of cards ordered on each page.

Add all column totals and enter grand total here → cards

5 PRICES

1000 cards or more	10c each
500 to 999	11c each
200 to 499	13c each
100 to 199	15c each
50 to 99	17c each
1 to 49	28c each

= \$ _____ Amount of order

(NOTE: You will save in quantities over 49. For example, 30 cards cost \$8.40. Fifty cards cost \$8.50—only 10c more).

6 MANNER OF PAYMENT

CASH ENCLOSED

Ship C.O.D.

Bill Us

PURCHASE ORDER NO.

\$ _____

(Established Accounts Only—
Minimum Billing \$3.00)

CARDMATIC CARD
ORDER FORM

THE HICKOK ELECTRICAL INSTRUMENT CO.

10614 BIRCHMOUNT AVENUE
CLEVELAND, OHIO 44108

**MODEL CA-4
ADAPTER**

FOR USE WITH

MODELS 123A, 123R, 1230

Do Not Use	Tube Type	No. of Cards
	1AD2	1
	2AH2	1
	2AS2	1
	2CW4	1
	2DS4	1
	2DV4	1
	3AT2	1
	3AW2	1
	4HA7	2
	4HC7	2
	5BC3	1
	5HA7	2
	5HC7	2
	6AC9	3
	6AC10	3
	6AD10	2
	6AF11	3
	6AG11	4
	6AL11	2
	6AR11	2
	6AS11	3
	6AV11	3
	6AX3	1
	6AY3	1
	6AY11	4
	6B10	4
	6BA3	1
	6BA11	3
	6BD11	3
	6BE3	1
	6BF11	2
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	6BH3	1
	6BH11	3
	6BJ3	1
	6BK11	3
	6BN11	2
	6BS3	1
	6C9	2
	6C10	3
	6CD3	1
	6CE3	1
	6CG3	1
	6CJ3	1
	6CK3	1
	6CW4	1
	6D10	3
	6DS4	1
	6DV4	1
	6DW4	1
	6EA4	1
	6FJ7	2
	6FM7	2
	6FY7	2
	6G11	2
	6GA7	3
	6GE5	2
	6GF5	2
	6GF7	2
	6GJ5	2
	6GT5	2
	6GV5	2
	6GY5	2
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	6HB5	2
	6HD5	2
	6HE5	2
	6HE7	3
	6HF5	2
	6HJ5	2
	6J9	3
	6J10	2
	6J11	2
	6JB6	2
	6JE6	2
	6JF6	2
	6JG6	2
	6JM6	2
	6JN6	2
	6JS6A	2
	6JT6	2
	6JU6	2
	6JZ8	2
	6K11	3
	6KD6	2
	6KM6	2
	6KN6	2
	6KY8	3
	6LR8	2
	6LU8	2
	6M11	3
	6MD8	3
	6Q11	3
	6T9	2
	6T10	2
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	6U10	3
	6Y10	2
	6Z10	2
	8AC9	3
	8AR11	2
	8B10	4
	8BA11	3
	8BM11	2
	8BQ11	2
	8BU11	3
	9BJ11	2
	10AL11	2
	10GF7	2
	11AR11	2
	11BQ11	2
	11BT11	3
	11FY7	2
	12AE10	2
	12AL11	2
	12AX3	1
	12AY3	1
	12BE3	1
	12BF11	2
	12BS3	1
	12BT3	1
	12G11	2
	12GE5	2
	12GJ5	2
	12GT5	2
	12HE7	3
	12JB6	2
TOTAL THIS COLUMN		

**CARDMATIC CARD
ORDER FORM**

THE HICKOK ELECTRICAL INSTRUMENT CO.

18514 DUPONT AVENUE
CLEVELAND, OHIO 44108

**MODEL CA-4
ADAPTER**

FOR USE WITH

MODELS 123A, 123R, 1230

Do Not Use	Tube Type	No. of Cards
	12JN6	2
	12JT6	2
	12T10	2
	13CW4	1
	13FM7	2
	13GF7	2
	13J10	2
	13V10	2
	13Z10	2
	14BL11	3
	14BR11	3
	15AF11	3
	15BD11	3
	15FM7	2
	15FY7	2
	15KY8	3
	16GY5	2
	16KA6	2
	17AB10	3
	17AX3	1
	17AY3	1
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	17BE3	1
	17BF11	2
	17BH3	1
	17BS3	1
	17BZ3	1
	17C9	2
	17CK3	1
	17GE5	2
	17GJ5	2
	17GT5	2
	17GV5	2
	17JB6	2
	17JG6A	2
	17JM6	2
	17JN6	2
	17JT6	2
	17JZ8	2
	17LD8	3
	17X10	3
	19Q9	2
	21GY5	2
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	21HB5	2
	21HD5	2
	21HJ5	2
	21JV6	2
	21JZ6	2
	21KA6	2
	21LR8	2
	21LU8	2
	22BH3	1
	22BW3	1
	22JF6	2
	22JG6	2
	22JU6	2
	23Z9	3
	24GA7	3
	28HD5	2
	30AG11	4
	30HJ5	2
	31JS6A	2
	32GA7	3
	33GT7	3
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	33GY7	3
	33JV6	2
	34CD3	1
	34CE3	1
	38HE7	3
	38HK7	3
	42KN6	2
	7586	1
	7587	1
	7868	2
	7895	1
	7984	1
	8056	1
	8058	2
	8149	1
	8150	1
	8156	1
	8203	1
	8393	1
TOTAL THIS COLUMN		

CARDMATIC CARD ORDER FORM

THE HICKOK ELECTRICAL INSTRUMENT CO.

10514 DUPONT AVENUE
CLEVELAND, OHIO 44108

MODEL CA-4 ADAPTER

FOR USE WITH

MODEL 121

TO SIMPLIFY ORDERING, FOLLOW THE STEP-BY-STEP SEQUENCE ① THROUGH ⑥, BELOW.

① SHIP TO:
(Type or Print)

Name _____

Firm _____

Address _____

City _____

State _____

Zip Code _____

② BILL TO:

Name _____

Firm _____

Address _____

City _____

State _____

Zip Code _____

DO NOT USE THIS SPACE

③ HOW SHALL WE SHIP?

Parcel Post

Air Parcel Post

Other (Specify) _____

④ HOW TO ORDER

All tube test cards currently available are listed on the following page. In the column headed "No. of CARDS", circle the number opposite "Tube Type" desired. (Note that many tubes require multiple cards for complete testing.) Total the number of cards ordered on each page.

Add all column totals and enter grand total here → cards

⑤ PRICES

1000 cards or more	10c each
500 to 999	11c each
200 to 499	13c each
100 to 199	15c each
50 to 99	17c each
1 to 49	28c each

= \$ _____ Amount of order

(NOTE: You will save in quantities over 49. For example, 30 cards cost \$8.40. Fifty cards cost \$8.50—only 10c more).

⑥ MANNER OF PAYMENT

CASH ENCLOSED

Ship C.O.D.

Bill Us

PURCHASE ORDER NO.

(Established Accounts Only—
Minimum Billing \$3.00)

\$ _____

**CARDMATIC CARD
ORDER FORM**

THE HICKOK ELECTRICAL INSTRUMENT CO.

10814 DUPONT AVENUE
CLEVELAND, OHIO 44106

**MODEL CA-4
ADAPTER**

FOR USE WITH

MODEL 121

Do Not Use	Tube Type	No. of Cards
	1AD2	1
	2AH2	1
	2AS2	1
	2CW4	1
	2DS4	1
	2DV4	1
	3AT2	1
	3AW2	1
	4HA7	2
	4HC7	2
	5BC3	3
	5HA7	2
	5HC7	2
	6AC9	3
	6AC10	3
	6AD10	2
	6AF11	3
	6AG11	2
	6AL11	2
	6AR11	2
	6AS11	3
	6AV11	2
	6AX3	1
	6AY3	1
	6AY11	2
	6B10	2
	6BA3	1
	6BA11	3
	6BD11	3
	6BE3	1
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	6BF11	2
	6BH3	1
	6BH11	3
	6BJ3	1
	6BK11	3
	6BN11	2
	6BS3	1
	6C9	2
	6C10	2
	6CD3	1
	6CE3	1
	6CG3	1
	6CJ3	1
	6CK3	1
	6CW4	1
	6D10	2
	6DS4	1
	6DV4	1
	6DW4	1
	6EA4	1
	6FJ7	2
	6FM7	2
	6FY7	2
	6G11	2
	6GA7	3
	6GE5	2
	6GF5	2
	6GF7	2
	6GJ5	2
	6GT5	2
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	6GV5	2
	6GY5	2
	6HB5	2
	6HD5	2
	6HE5	1
	6HE7	3
	6HF5	2
	6HJ5	2
	6J9	2
	6J10	3
	6J11	2
	6JB6	2
	6JE6	2
	6JF6	2
	6JG6	2
	6JM6	2
	6JN6	2
	6JS6A	2
	6JT6	2
	6JU6	2
	6JZ8	2
	6K11	2
	6KD6	2
	6KM6	2
	6KN6	2
	6KY8	3
	6LR8	2
	6LU8	2
	6M11	2
	6MD8	3
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	6Q11	2
	6T9	2
	6T10	2
	6U10	2
	6Y10	2
	6Z10	3
	8AC9	3
	8AR11	2
	8B10	2
	8BA11	3
	8BM11	2
	8BQ11	2
	8BU11	3
	9BJ11	2
	10AL11	2
	10GF7	2
	11AR11	2
	11BQ11	2
	11BT11	3
	11FY7	2
	12AE10	2
	12AL11	2
	12AX3	1
	12AY3	1
	12BE3	1
	12BF11	2
	12BS3	1
	12BT3	1
	12G11	2
	12GE5	2
TOTAL THIS COLUMN		

**CARDMATIC CARD
ORDER FORM**

THE HICKOK ELECTRICAL INSTRUMENT CO.
18814 BIRCHMOUNT AVENUE
CLEVELAND, OHIO 44108

**MODEL CA-4
ADAPTER**

FOR USE WITH

MODEL 121

Do Not Use	Tube Type	No. of Cards
	12GJ5	2
	12GT5	2
	12HE7	3
	12JB6	2
	12JN6	2
	12JT6	2
	12T10	2
	13CW4	1
	13FM7	2
	13GF7	2
	13J10	3
	13V10	2
	13Z10	3
	14BL11	3
	14BR11	3
	15AF11	3
	15BD11	3
	15FM7	2
	15FY7	2
	15KY8	3
	16GY5	2
	16KA6	2
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	17AB10	2
	17AX3	1
	17AY3	1
	17BE3	1
	17BF11	2
	17BH3	1
	17BS3	1
	17BZ3	1
	17C9	2
	17CK3	1
	17GE5	2
	17GJ5	2
	17GT5	2
	17GV5	2
	17JB6	2
	17JG6A	2
	17JM6	2
	17JN6	2
	17JT6	2
	17JZ8	2
	17LD8	3
	17X10	2
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	19Q9	2
	21GY5	2
	21HB5	2
	21HD5	2
	21HJ5	2
	21JV6	2
	21JZ6	2
	21KA6	2
	21LR8	2
	21LU8	2
	22BH3	1
	22BW3	1
	22JF6	2
	22JG6	2
	22JU6	2
	23Z9	3
	24GA7	3
	28HD5	2
	30AG11	2
	30HJ5	2
	31JS6A	2
TOTAL THIS COLUMN		

Do Not Use	Tube Type	No. of Cards
	32GA7	3
	33GT7	3
	33GY7	3
	33JV6	2
	34CD3	1
	34CE3	1
	38HE7	3
	38HK7	3
	42KN6	2
	7586	1
	7587	1
	7868	1
	7895	1
	7984	1
	8056	1
	8058	2
	8149	1
	8150	1
	8156	1
	8203	1
	8393	1
TOTAL THIS COLUMN		