

Date: Monday, August 25, 2008  
To: Simpson260.com  
From: Fred Scoles  
Subject: Information about the enclosed Simpson 1000 data charts

The data chart that is already on your website is the “Supplemental & Obsolete” list from the last half of the Operations Manual. It was also later reprinted in 3-62 as a separate document titled “Model 1000 Seldom Used and Obsolete Tube Supplement”. Therefore, I am not including this data list.

The main roller data chart I have included is labeled “Model No. 1000, January, 1962”. These photocopied pages were from an original paper roll housed inside a tester; which explains why there are some duplication of a few listings at the bottom and top of each page. This 1962 roll contains the main tube chart data that is not found on any of the “supplement” listings. It is one of the newer (latest) rolls Simpson had published. According to the enclosed 1965 Supplement pages, Simpson had published a May 1964 roller chart, but we have not yet found any copy of this 1964 roller (and may never will). The earliest known Simpson 1000 roller chart was 1954. I have enclosed only the 1962 roller chart because it contains all of the tube data listings that were ever contained in all the earlier roller charts, and the newer listings to that date. We also have file copies of the 1956, 1958, and 1960 roller charts.

The single handwritten data page contains the “missing data” from two places on this roller chart that were repaired years ago with the clear (aka “scotch tape”) tape that darkened the paper to the point of obscuring the data under the repair tape; these places photocopied as solid black. I transcribed this missing data to a page in my handwriting. Every Simpson 1000 roller chart that I’ve seen are all on very thick paper which became very brittle with age. This 1962 chart was in better physical condition than some others I’ve seen. Nowadays, we know to use an acid-free high quality library-quality repair tape on documents that need to last a long time. I’m not sure how you will be including or splicing in this “missing data”, so I have written the ID title lightly in pencil so it may get erased.

Simpson Model 1000 testers are one of the more respected emission-style tube testers, and are still commonly used today, even though the last units were sold new in 1962. It was well designed, durable, dependable, and easy to use. It was the model tube tester that the Eico (kit) company apparently copied (in about 1956) for their Eico Model 666 (and later the Model 667) testers, which became immensely popular. These Simpson and Eico testers are still used by many vintage Radio, HiFi and Electronics enthusiasts. They are bought and sold every day on the internet auction sites such as Ebay. The list price of a new Simpson 1000 was \$133, but only approx \$40 for an unassembled Eico kit.

This Simpson Model 1000 test data is useable with both the Simpson 1000 and the Eico 666 & 667 testers. These printed data listings can be easily set up on either brand tester by applying a simple data/nomenclature translation of the testers’ panel switches and knobs. I have included two photos (black & white, because I don’t have a color printer),

one photo of each of my Simpson 1000 and Eico 667 testers; that shows the panel switches translation (tape labels) from Simpson to Eico, or vice-versa. I will also email to you the color digital photos of these two panels, along with the MSWord file of this memo, so you may edit or use any portion of it. One could also write this panel translation information into a table or small chart, but everyone who has received these photos says they are easy to use with their Simpson or Eico testers.

The Simpson Model 1000 Nuvistor 5-pin adaptor, described on page 9 of the March '63 Supplement has a different pinout scheme from other brands of testers and the various adapter boxes. The Nuvistor data chart in this 1963 supplement matches only this Simpson adaptor's wiring scheme. The commonly found adaptor boxes such as the Eico Models 610 or 610A and the Coletronics B-16, have Nuvistor socket wirings which do not match this Simpson Nuvistor data chart!! This should not create a problem for anyone, because one should always carefully check the pinout diagram of a Nuvistor tube before testing it on a tube tester.

# Simpson

INSTRUMENTS THAT STAY ACCURATE

**SUPPLEMENT  
TUBE TEST DATA  
MODEL 1000**

MARCH 1963

**SIMPSON ELECTRIC COMPANY**

5200 W. Kinzie St., Chicago 44, Illinois, ES 9-1121  
Long Distance Dial 312.  
In Canada, Bach-Simpson, Ltd., London, Ontario

*P. 9 has 5pin Nuvistor adaptor pinout*

SUPPLEMENTARY TUBE CHART FOR MODEL 1000 TUBE TESTER

NOTE: USE LEAD PART No. 0-008458 WITH BANNANA PLUG AND CLIP AT OTHER END FOR TESTING TUBES LISTED ON THIS SUPPLEMENT.

TUBE	FIL.	BIAS	RANGE	SELECTORS	PUSH BUTTONS SHORTS	QTY
1AD2 Key 0 Insert lead in pin #4 of 4 Pin tube socket connect clip to cap of adapter.	1.25	0	78	155-055-555-213	J	J
2AH2 Key 0 Insert lead in Pin #4 of 4 pin tube socket connect clip to cap of adapter.	2.0	0	93	055-155-555-212	J	J
2CW4	2.0	0	10	030-140-000-023	ABD	B
2DS4	2.0	0	70	030-140-000-023	ABD	B
5BC3 Plate.2	5.0	0	40	150-535-555-000	E	E
5BC3 Plate.1	5.0	0	40	150-555-553-000	I	I
6AF11 Tri.1 Key 0 Insert lead in pin #4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	30	155-004-535-013	EPH	H
6AF11 Tri.2 Key 0 Insert lead in pin #2 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	0	104-355-055-013	ODG	D
6AF11 Pen. Key 5 Insert lead in pin #4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	10	024-051-350-003	ABCG	G
6AG11 Tri.2 Key 0 Insert lead in pin #3 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	65	051-043-555-023	DEF	F
6AG11 Tri.1 Key 0 Same connections as above	6.3	0	65	051-555-540-023	GHI	G
6AG11 Dio.2 Key 0 Insert lead in pin #4 of 4 pintube socket connect clip to cap of adapter.	6.3	0	0	102-055-555-032	BC	C
6AG11 Dio.1 Key 5 same connections as above.	6.3	0	0	520-051-555-032	BC	B
6AL11 Pen.2 Key 0 Insert lead in pin #5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	80	104-003-255-013	BCDFG	F
6AL11 Pen.1 Key 6 Same connections as above.	6.3	0	33	403-305-155-012	ABCD	D
6AR11 Pen 2. Key 0 Insert lead in pin #7 of 7 pin tube socket connect clip to cap of adapter.	6.3	0	85	133-040-055-012	BCDEF	B
6AR11 Pen.1 Key 8 Same connections as above	6.3	0	85	503-340-050-012	BCDEF	C

6AS11 Tri.1 Key 0 Insert lead in pin #4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	25	055-104-535-003	EFH	H
6AS11 Tri.2 Key 0 Insert lead in pin #2 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	95	014-355-055-002	CDG	D
6AS11 Pen. Key 5 Insert lead in pin #6 of 7 pin tube socket connect clip to cap of adapter.	6.3	0	55	034-150-355-022	ABCG	G
6AV11 Tri.3 Key 4 Insert lead in pin #5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	65	541-503-055-002	BFG	F
6AV11 Tri.2 Key 5 Insert lead in pin #4 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	65	435-051-550-002	ABI	B
6AV11 Tri.1 Key 0 Insert lead in pin #4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	65	155-030-455-002	EFG	E
<del>6AX3</del> Key 0 Insert lead in pin #3 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	25	105-355-055-000	DG	D
6AY3A Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	15	535-105-550-010	BI	B
6B10 Tri.2 Key 0 Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	70	104-303-555-002	BCD	D
6B10 Tri.1 Key 0 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter..	6.3	0	70	155-043-055-002	EFG	F
6B10 Dio.2 Key 7 Insert lead in pin # 6 of 7 pin tube socket connect clip to cap of adapter.	6.3	0	55	520-201-505-032	BC	B
6B10 Dio.1 Key 7 Insert lead in pin # 6 of 7 pin tube socket connect clip to cap of adapter.	6.3	0	55	520-201-505-032	DC	D
<del>6BE3</del> Key 0 Insert lead in pin # 3 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	75	150-355-055-020	DG	D
6BH3 Insert lead in pin # 3 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	15	535-105-550-010	RI	R
6BS3 Insert lead in pin # 3 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	12	535-105-550-010	RI	B
6CW4 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	10	030-140-000-023	ARD	R
6C10 Tri.1 Key 5 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	85	435-150-550-003	ABI	B
6C10 Tri.2 Key 5 Same connections as above.	6.3	0	85	554-150-300-003	CGH	G

6C10 Tri.1 Key 0 Same connections as above.	6.3	0	85	155-030-400-003	EFG	E
6C9 Tet.2	6.3	0	75	433-100-000-002	ABCJ	C
6C9 Tet.1 Connect plate cap lead to cap of adapter.	6.3	0	75	000-100-433-002	FGHI	I
6D10 Tri.1 Key 5 Insert lead in pin # 4 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	15	435-051-550-003	ABI	B
6D10 Tri.2 Key 0 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	15	155-030-450-003	EFG	E
6D10 Tri.3 Key 4 Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	15	541-503-055-003	BFG	F
6DV4	6.3	0	65	351-405-055-033	ADG	A
6DS4	6.3	0	70	030-140-000-023	ABD	B
6DW4	6.3	0	15	535-105-550-010	BI	B
6FJ7 Tri.1 Key 5 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	75	043-051-555-002	ABC	C
6FJ7 Tri.2 Key 0 Same connections as above.	6.3	0	23	154-035-055-002	CEG	E
6FM7 Tri.2 Key 0 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	60	154-035-055-001	CEG	E
6FM7 Tri.1 Key 5 Same connections as above.	6.3	0	53	043-150-555-003	ABC	C
6FY7 Tri.2 Key 0 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	60	154-035-055-001	CEG	E
6FY7 Tri.1 Key 5 Same connections as above.	6.3	0	70	043-150-555-003	ABC	C
6GA7 Pen. Key 0 Insert lead in pin # 6 of 6 pin tube socket connect clip to cap of adapter.	6.3	0	45	135-400-355-001	BDEG	G
6GA7 Dio. Key 6 Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	75	055-301-055-020	AD	D

6QE5 Key 0 Insert lead pin # 5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	93	124-005-355-001	BCDG	G
6GF5 Key 0 Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	93	124-005-355-001	BCDG	G
6GJ5	6.3	25	18	340-105-555-331	ABCJ	J
6GT5	6.3	25	10	340-105-553-031	ABCI	I
6GY5 Key 0 Insert lead in pin # 2 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	65	103-045-555-301	CDEJ	J
6G11 Pen.2 Key 0 Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter. Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	87	104-003-255-013	BCDFG	F
6G11 Pen.1 Key 6 Same connections as above.	6.3	0	67	403-305-155-011	ABCD	D
6HD5 Key 0 Insert lead in pin # 2 of 4 pin tube socket connect clip to cap of adapter.	6.3	35	25	102-045-355-021	CDEG	G
6HE5 Key 0 Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	90	143-003-555-001	BCDF	F
6J9 Tri.3	6.3	0	10	340-100-000-003	ABC	A
6J9 Tri.2	6.3	0	10	000-103-004-003	FIJ	F
6J9 Tri.1	6.3	0	10	000-100-430-003	GHJ	H
Connect plate cap lead to cap of adapter.						
6J11 Pen.2 Key 0 Insert lead in pin # 7 of 7 pin tube socket connect clip to cap of adapter.	6.3	0	43	133-040-055-003	BCDEF	C
6J11 Pen.1 Key 8 Same connections as above.	6.3	0	43	530-304-051-003	BCDEF	D
6JZ8 Pen. Key 0 Insert lead in pin # 3 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	75	150-354-530-001	DFHI	D
6JZ8 Tri. Key 6 Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.	6.3	0	30	554-015-035-023	CDH	H

6K11 Tri.3 Key 3 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	77	410-030-555-003	AEF	E
6K11 Tri.2 Key 0 Same connections as above	6.3	0	77	155-030-455-003	EFG	E
6K11 Tri.1 Key 5 Same connections as above.	6.3	0	70	435-051-550-012	ABI	B
6M11 Pen. Key 5 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	52	513-051-435-002	BCGH	C
6M11 Tri.2 Key 0 Insert lead in pin # 2 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	10	105-043-555-003	DEF	F
6M11 Tri.1 Key 0 Same connections as above.	6.3	0	10	105-555-340-003	GHI	G
6Q11 Tri.3 Key 3 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.	6.3	0	87	410-030-555-003	AEF	E
6Q11 Tri.2 Key 0 Same connections as above.	6.3	0	87	155-030-455-003	EFG	E
6Q11 Tri.1 Key 5 Same connections as above.	6.3	0	67	435-051-550-012	ABI	B
8B10 Tri.2 Key 0 Insert lead in pin # 3 of 4 pin tube socket connect clip to cap of adapter.	7.5	0	77	104-305-555-002	BCD	D
8B10 Tri.1 Key 0 Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.	7.5	0	77	155-043-055-002	EFG	F
8B10 Dio.2 8B10 Dio.1 Key 7 Insert lead in pin # 6 of 7 pin tube socket connect clip to cap of adapter.	7.5	0	60	520-201-505-032	BC	B
	7.5	0	60	520-201-505-032	DC	D
10AL11 Pen.2 Key 0 Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.	10	0	80	104-003-255-013	BCDFG	F
10AL11 Pen.1 Key 6 Same connections as above.	10	0	33	403-305-155-012	ABCD	D



11AR11 Pen.2 Key 0	10	0	90	133-040-055-012	BCDEF	B
Insert lead in pin # 7 of 7 pin tube socket connect clip to cap of adapter.						
11AR11 Pen. 1 Key 6	10	0	90	503-340-050-012	BCDEF	C
Same connections as above.						
12AL11 Pen.2 Key 0	12.6	0	80	104-003-255-013	BCDFG	F
Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.						
12AL11 Pen.1 Key 6	12.6	0	33	403-305-155-012	ABCD	D
Same connections as above.						
12AY3	12.6	0	15	535-105-550-010	BI	B
12BE3 Key 0	12.6	0	75	150-355-055-020	DG	D
Insert lead in pin # 3 of 4 pin tube socket connect clip to cap of adapter.						
12BS3	12.6	0	12	535-105- <del>550</del> -010	BI	B
12GE5 Key 0	12.6	0	93	124-005-355-001	BCDG	G
Insert lead in pin # 5 of 5 pin tube socket connect clip to cap of adapter.						
12GJ5	12.6	25	18	340-105-555-331	ABCJ	J
12GT5	12.6	25	10	340-105-553-031	ABCI	I
13CW4	12.6	0	18	030-140-000-023	ABD	B
13FM7 Tri.2 Key 0	12.6	0	50	154-035-055-001	CEG	E
Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.						
13FM7 Tri.1 Key 5	12.6	0	73	043-150-555-003	ABC	C
Same connections as above.						
15AF11 Tri.1 Key 0	14	0	38	155-004-535-013	EFH	H
Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.						
15AF11 Tri. 2 Key 0	14	0	10	104-355-055-013	CDG	D
Insert lead in pin # 2 of 4 pin tube socket connect clip to cap of adapter.						
15AF11 Pen. Key 5	14	0	18	024-051-350-003	ABCG	G
Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.						
15FM7 Tri.2 Key 0	14	0	50	<del>154-035-055-001</del>	CEG	E
Insert Lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.						
15FM7 Tri.1 <b>KEY 5</b>	14	0	73	043-150-555-003	ABC	C
Same connections as above.						

15FY7 Tri.2 Key 0	14	0	65	154-035-055-001	CEG	E
Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.						
15FY7 Tri.1 Key 5	14	0	75	043-150-555-003	ABC	C
Same connections as above.						
17AY3	19	0	15	535-105-550-010	BI	B
17BE3 Key 0	19	0	68	150-355-055-020	DG	D
Insert lead in pin # 3 of 4 pin tube socket connect to cap of adapter.						
17BH3	19	0	15	535-105-550-010	BI	B
17BS3	19	0	10	535-105-550-010	BI	B
17C9 Tet.2	14	0	85	433-100-000-002	ABCJ	C
17C9 Tet.1	14	0	85	000-100-433-002	FCHI	I
Connect plate cap lead to cap of adapter.						
17GE5	19	0	87	124-005-355-001	BCDG	G
17GJ5	19	25	10	340-105-555-331	ABCJ	J
17GT5	19	25	0	340-105-553-031	ABCI	I
17JZ3 Pen. Key 0	19	0	65	150-354-530-001	DFHI	D
Insert lead in pin # 3 of 4 pin tube socket connect clip to cap of adapter.						
17JZ3 Tri. Key 6	19	0	10	554-015-035-023	CDH	H
Insert lead in pin # 5 of 5 pin tube socket connect clip to cap, of adapter.						
19Q9 Tri.	19	0	85	000-100-043-002	GHI	I
19Q9 Pen	19	0	90	433-100-000-002	ABCJ	C
Connect plate cap lead to cap of adapter.						
21GY5 Key 0	19	0	55	103-045-555-301	CDEJ	J
Insert lead in pin # 2 of 4 pin tube socket connect clip to cap of adapter.						
21HD5 Key 0	19	40	37	102-045-355-021	CDEG	G
Insert lead in pin # 2 of 4 pin tube socket connect clip to cap of adapter.						
22BH3	25	0	10	535-105-550-010	BI	B
23HD5 Key 0	28	35	25	102-045-355-021	CDEG	G
Insert lead in pin # 2 of 4 pin tube socket connect clip to cap of adapter.						
30AG11 Tri.2 Key 0	28	0	77	051-043-555-023	DEF	F
Insert lead in pin # 3 of 4 pin tube socket connect clip to cap of adapter.						
30AG11 Tri.1 Key 0	28	0	77	051-555-343-023	GHI	G
Same connections as above						

30AG11 Dio.2 Key 0	28	0	10	102-055-555-032	BC	C
Insert lead in pin # 4 of 4 pin tube socket connect clip to cap of adapter.						
30AG11 Dio.1 Key 5	28	0	10	520-051-555-032	BC	B
Same connections as above.						
7586	6.3	0	0	030-140-000-023	ABD	B
7587	6.3	75	53	020-140-000-322	BDJ	J
7868	6.3	0	40	340-105-553-002	ABCI	I
6GB5	6.3	0	50	450-103-555-301	ACFJ	J
13GB5	12.6	0	45	450-103-555-301	ACFJ	J
27GB5	28.	0	40	450-103-555-301	ACFJ	J
EL500	6.3	0	50	450-103-555-301	ACFJ	J
XL500	12.6	0	45	450-103-555-301	ACFJ	J
PL500	28.	0	40	450-103-555-301	ACFJ	J

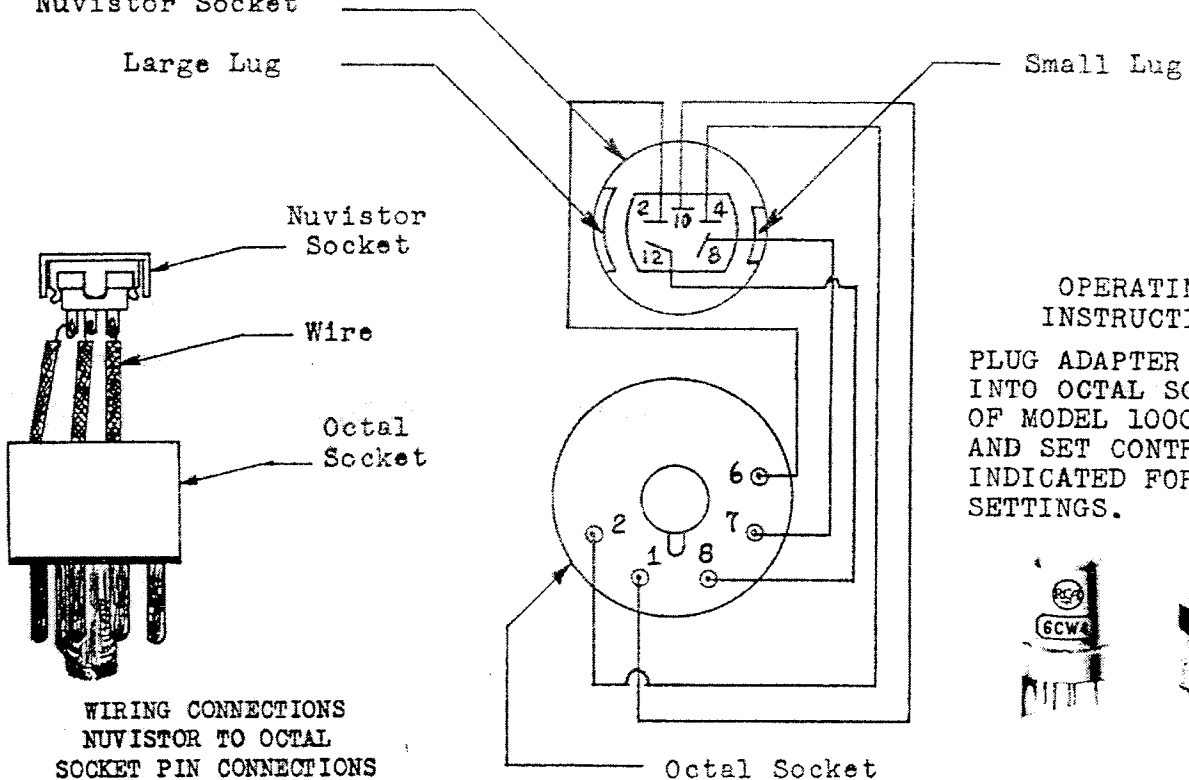


# MODEL 1000

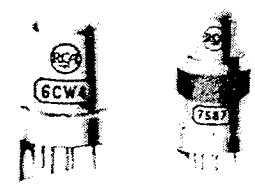
PLATE CONDUCTANCE TUBE TESTER

## CONVERSION SOCKET FOR TESTING NUVISTORS

Cinch Mfg. Co. or equiv.  
Nuvistor Socket



**OPERATING INSTRUCTION**  
 PLUG ADAPTER SOCKET INTO OCTAL SOCKET OF MODEL 1000 TESTER AND SET CONTROLS AS INDICATED FOR TUBE SETTINGS.



**WIRING CONNECTIONS  
 NUVISTOR TO OCTAL  
 SOCKET PIN CONNECTIONS**

NUVISTOR	OCTAL
PIN 10 - - - - -	Pin 1
Pin 4 - - - - -	Pin 2
Pin 2 - - - - -	Pin 6
Pin 12 - - - - -	Pin 8
Pin 8 - - - - -	Pin 7

Octal Socket

Use 5 pins as indicated

**TUBE SETTINGS**

TUBE	FIL.	BIAS	RANGE	TOGGLES	PUSH SHORTS	BUTTONS VALUE
2CW4	2.0	0	10	140-003-000-023	BFG	F
2DS4	2.0	0	70	140-003-000-023	BFG	F
6CW4	6.3	0	10	140-003-000-023	BFG	F
6DS4	6.3	0	70	140-003-000-023	BFG	F
136W4	12.6	0	18	140-003-000-023	BFG	F
7586	6.3	0	0	140-003-000-023	BFG	F
7587	6.3	75	53	140-002-000-332	BFG	J

3-63-CM-1000

FOREIGN TUBE SUPPLEMENT MARCH 1963

TUBE	FIL.	BIAS.	RANGE	TOGGLES	SHORTS	QUALITY
XC900	2.5	0	60	401-030-555-023	ABE	E
LC900	2.8	0	68	401-030-555-023	ABE	E
PC900	3.6	0	73	401-030-555-023	ABE	E
XCF801 Tri.	3.6	0	48	005-100-034-002	AHI	H
XCF801 Pen.	3.6	0	70	045-103-200-003	ABFG	F
EY88	6.3	0	28	555-105-553-000	IJ	I
ECF801 Tri.	6.3	0	40	005-100-034-002	AHI	H
ECF801 Pen.	6.3	0	58	045-103-200-003	ABFG	F
ECC86 Tri.2	6.3	0	18	240-100-000-034	ABC	A
ECC86 Tri.1	6.3	0	18	000-102-400-034	FGH	F
ECL85 Tri.	6.3	0	65	340-100-000-023	ABC	A
ECL85 Pen.	6.3	0	80	000-103-300-000	FGHI	F
EC900	6.3	0	65	401-030-555-023	ABE	E
ECF86 Tri.	6.3	0	30	005-104-300-002	AFG	G
ECF86 Pen.	6.3	40	43	045-100-032-022	ABHI	H
EY81	6.3	0	37	555-105-553-000	IJ	I
PCF86 Tri.	7.5	0	30	005-104-300-002	AFG	G
PCF86 Pen.	7.5	40	43	045-100-032-022	ABHI	H
PCF801 Tri.	7.5	0	46	005-100-034-002	AHI	H
PCF801 Pen..	7.5	0	67	045-103-200-003	ABFG	F
PCF80 Tri.	7.5	0	52	350-105-004-002	AHI	A
PCF80 Pen.	7.5	30	50	542-103-004-012	BCFG	F
PL84	14	47	35	540-105-352-021	BCGI	G
XY88	14	0	28	555-105-553-000	IJ	I

SUPPLEMENT TO JANUARY 1963 ROLL CHART  
MODEL 1000

TUBE	FIL.	BIAS	RANGE	TOGGLES	SHORTS	QUALITY
2HA5	2.5	0	60	401-030-555-023	ABE	E
3HA5	2.8	0	68	401-030-555-023	ABE	E
4HA5	3.6	0	73	401-030-555-023	ABE	E
4GJ7 Tri.	3.6	0	48	005-100-034-002	AHI	H
4GJ7 Pen.	3.6	0	70	045-103-200-003	ABFG	F
6AL3	6.3	0	28	555-105-553-000	IJ	I
6GJ7 Tri.	6.3	0	40	005-100-034-002	AHI	H
6GJ7 Pen.	6.3	0	58	045-103-200-003	ABFG	F
6GM8 Tri.2	6.3	0	18	240-100-000-034	ABC	A
6GM8 Tri.1	6.3	0	18	000-102-400-034	FGH	F
6GV8 Tri.	6.3	0	65	340-100-000-023	ABC	A
6GV8 Pen.	6.3	0	80	000-103-300-000	FGHI	F
6HA5	6.3	0	65	401-030-555-023	ABE	E
6HG8 Tri.	6.3	0	30	005-104-300-002	AFG	G
6HG8 Pen.	6.3	40	43	045-100-032-022	ABHI	H
6R3	6.3	0	37	555-105-553-000	IJ	I
7HG8 Tri.	7.5	0	30	005-104-300-002	AFG	G
7HG8 Pen.	7.5	40	43	045-100-032-022	ABHI	H
8GJ7 Tri.	7.5	0	46	005-100-034-002	AHI	H
8GJ7 Pen.	7.5	0	67	045-103-200-003	ABFG	F
9A8 Tri.	7.5	0	52	350-105-004-002	AHI	A
9A8 Pen.	7.5	30	50	542-103-004-012	BCFG	F
16AQ5	14.	0	28	555-105-553-000	IJ	I
OE3/85A1	0	0	87	030-500-000-021	BH	B
15HB6	14.	45	38	040-105-325-011	ABCGH	G
6HL8 Pen.	6.3	0	63	542-103-005-013	BCFG	F
6HL8 Tri.	6.3	0	38	350-105-004-012	AHI	A
6GK6	6.3	48	40	040-105-325-011	ABCGH	G
17CQ4	14	0	75	000-020-100-010	CE	E

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