

SUPREME TUBE TESTER MODEL 85-C OPERATING DATA

PRELIMINARY ADJUSTMENT. Set the "LEAKAGE QUALITY" tumbler switch to the "LEAKAGE" position and rotate the "ADJUST METER TO CENTER LINE" control knob to a setting which causes the meter pointer to rest uprightly over the center arrow of the meter scale. Then, (1) locate in the first column of the "TUBE LIST" below the tube which is to be tested (2) observe the corresponding "FILAMENT-HEATER VOLTAGE" setting in the second column. (3) the "TUBE TEST SELECTOR" setting in the third column and (4) the designation in the fourth column of the cathode button to be depressed for the "QUALITY" test.

LEAKAGE TEST. After completing the preliminary adjustment. (1) set the "FILAMENT - HEATER VOLTAGE" control. (2) place the tube in the proper socket and connect the top cap terminal, if any, to one of the nickled top cap pin jacks, and (3) depress the buttons one at a time so as to reveal any inter-element leakages or shorts by a glow of both elements of the neon lamp: a momentary glow or flicker of one element only of the neon lamp indicates a capacitive surge rather than a tube defect. Intermittent tube leakages may be revealed by gently thumping the tube as each button is depressed. Example: A neon glow when depressing the No. 1 button and again when depressing the No. 2 button while testing a type 35 tube would indicate a leakage between the screen and plate elements.

QUALITY TEST. After completing the preliminary adjustment and the "LEAKAGE" test (1) set the "LEAKAGE QUALITY" tumbler switch to the "QUALITY" position (2) set the "TUBE TEST SELECTOR" control to the position indicated in the third column of the "TUBE LIST" and (3) depress the button indicated in the fourth column for observing the meter indication of the tube condition. Example: Tube type 01A - 5.0 - 73.0 - 3. After completing the tests rotate the "ADJUST METER TO CENTER LINE" control knob to the "A" (off) position

TUBE LIST

GROUP "A"																			
(Most Popular Tubes)																			
01A	-	5.0	- 73.0 - 3	* 6Z4	-	6.3	- 26.0 - 5	35	-	2.5	- 48.0 - 5	71A	-	5.0	- 59.0 - 3	445	-	2.5	- 49.5 - 3
24A	-	2.5	- 50.0 - 5	† 6Z5	-	12.0	- 28.0 - 6	36	-	6.3	- 41.5 - 5	75	-	6.3	- 35.5 - 5	450	-	7.5	- 65.0 - 3
26	-	1.5	- 67.5 - 3	‡ 12A5	-	12.0	- 51.0 - 6	37	-	6.3	- 53.0 - 5	76	-	6.3	- 36.0 - 5	481	-	7.5	- 91.0 - 3
27	-	2.5	- 52.0 - 5	12A7	-	12.0	- 25.0 - 5&7	38	-	6.3	- 49.5 - 5	77	-	6.3	- 40.0 - 5	482	-	5.0	- 58.5 - 3
35	-	2.5	- 48.0 - 5	12Z3	-	12.0	- 21.0 - 1	39	-	6.3	- 49.0 - 5	78	-	6.3	- 45.0 - 5	482A	-	5.0	- 58.5 - 3
45	-	2.5	- 49.5 - 3	‡ 12Z5	-	12.0	- 13.0 - 1&6	40	-	5.0	- 73.0 - 3	79	-	6.3	- 27.0 - 6	482B	-	5.0	- 58.5 - 3
47	-	2.5	- 47.0 - 3	14Z3	-	14.0	- 21.0 - 1	41	-	6.3	- 42.0 - 5	80M	-	5.0	- 50.0 - 3	483	-	5.0	- 56.0 - 3
71A	-	5.0	- 59.0 - 3	25Z5	-	25.0	- 16.0 - 1&6	42A	-	2.5	- 39.5 - 5	80	-	5.0	- 51.0 - 3	484	-	3.3	- 40.0 - 5
80	-	5.0	- 51.0 - 3	00A	-	5.0	- 63.0 - 3	42	-	6.3	- 43.5 - 5	81M	-	7.5	- 91.0 - 3	485	-	3.3	- 44.5 - 5
				01A	-	5.0	- 73.0 - 3	43C	-	25.0	- 33.5 - 5	81	-	7.5	- 91.0 - 3	486	-	3.3	- 80.0 - 3
				KR1	-	6.3	- 29.5 - 1	43	-	25.0	- 31.5 - 5	82	-	2.5	- 50.0 - 3	499	-	3.3	- 100.0 - 3
				1v	-	6.3	- 29.5 - 1	44	-	6.3	- 49.0 - 5	83v	-	5.0	- 26.0 - 3	585	-	7.5	- 65.0 - 3
				1	-	6.3	- 51.0 - 1	45	-	2.5	- 49.5 - 3	83	-	5.0	- 50.0 - 3	586	-	7.5	- 65.0 - 3
				G2S	-	2.5	- 70.0 - 5	46	-	2.5	- 48.0 - 3	G84	-	2.5	- 90.5 - 3	P 861	-	6.3	- 26.0 - 5
				G4S	-	2.5	- 85.0 - 5	47	-	2.5	- 47.0 - 3	84	-	6.3	- 26.0 - 5	950	-	2.0	- 65.0 - 3
				10	-	7.5	- 72.5 - 3	48	-	30.0	- 33.5 - 5	85	-	6.3	- 41.0 - 5	951	-	2.0	- 69.5 - 3
				10X	-	7.5	- 72.0 - 3	49	-	2.0	- 63.5 - 3	87S	-	6.3	- 41.5 - 5	986	-	5.0	- 50.0 - 3
				12A	-	5.0	- 50.0 - 3	50	-	7.5	- 65.0 - 3	88	-	5.0	- 50.0 - 3	AD	-	6.3	- 58.0 - 1
				14	-	14.0	- 51.0 - 5	51	-	2.5	- 48.0 - 5	88S	-	6.3	- 43.5 - 5	AF	-	2.5	- 49.0 - 3
				15	-	2.0	- 74.0 - 5	52	-	6.3	- 48.5 - 3	89	-	6.3	- 43.5 - 5	AG	-	5.0	- 50.0 - 3
				17	-	14.0	- 53.0 - 5	53	-	2.5	- 30.5 - 7	89RS	-	6.3	- 18.5 - 1&6	GA	-	5.0	- 54.5 - 3
				18	-	14.0	- 40.0 - 5	55	-	2.5	- 45.5 - 5	90	-	2.5	- 45.0 - 5	LA	-	6.3	- 56.0 - 3
				19	-	2.0	- 48.5 - 3	56	-	2.5	- 39.5 - 5	92	-	6.3	- 39.0 - 5	PA	-	6.3	- 45.0 - 5
				KR20	-	2.5	- 45.0 - 5	57	-	2.5	- 36.0 - 5	95	-	2.5	- 46.0 - 5	PZ	-	2.5	- 47.0 - 3
				20	-	3.3	- 98.0 - 3	57A	-	6.3	- 36.5 - 5	98	-	6.3	- 26.0 - 3	PZH	-	2.5	- 39.5 - 5
				22	-	3.3	- 83.0 - 3	58	-	2.5	- 40.5 - 5	99	-	3.3	- 100.0 - 3	WUND-A	-	2.5	- 56.0 - 5
				KR22	-	6.3	- 39.0 - 5	58A	-	6.3	- 41.0 - 5	181S	-	3.3	- 64.5 - 3	WUND-AA	-	6.3	- 55.0 - 5
				24A	-	2.5	- 50.0 - 5	59	-	2.5	- 39.5 - 5	182	-	5.0	- 58.5 - 3				
				25S	-	2.0	- 79.0 - 3	59B	-	2.5	- 47.5 - 3	182A	-	5.0	- 58.5 - 3				
				26	-	1.5	- 67.5 - 3	64A	-	6.3	- 43.5 - 5	182B	-	5.0	- 58.5 - 3				
				27HM	-	2.5	- 39.5 - 5	64	-	6.3	- 55.5 - 5	183	-	5.0	- 56.0 - 3				
				27	-	2.5	- 52.0 - 5	65A	-	6.3	- 47.5 - 5	205D	-	5.0	- 72.0 - 3				
				29	-	2.5	- 43.0 - 5	65	-	6.3	- 45.0 - 5	257	-	5.0	- 68.0 - 3				
				30	-	2.0	- 75.0 - 3	67A	-	6.3	- 45.0 - 5	401	-	3.3	- 57.5 - 3				
				30X	-	2.0	- 75.0 - 3	67	-	6.3	- 49.5 - 5	403	-	3.3	- 56.0 - 3				
				31	-	2.0	- 71.5 - 3	68	-	6.3	- 43.5 - 5	410	-	7.5	- 72.5 - 3				
				32	-	2.0	- 74.0 - 3	68A	-	6.3	- 45.5 - 5	420	-	3.3	- 98.0 - 3				
				33	-	2.0	- 58.0 - 3	69	-	6.3	- 45.5 - 5	422	-	3.3	- 80.0 - 3				
				34	-	2.0	- 83.0 - 3	70	-	6.3	- 82.0 - 5	431	-	2.0	- 71.5 - 3				

* For 6Z5 tube tests, throw the "6Z5" tumbler switch from the "NORMAL" to the "6Z5" position during the tests.
† For 12A5 tube tests, throw the "12A5" tumbler switch from the "NORMAL" to the "12A5" position during the tests.
‡ For 12Z5 tube tests, throw the "12Z5" tumbler switch from the "NORMAL" to the "12Z5" position during the tests.

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