Supreme Model 504-A
Stock No. 4778-G

SUPREME

Testing Instruments

"SUPREME BY COMPARISON"

RADIO TESTING INSTRUMENTS

- TUBE TESTERS
- MULTIMETERS
- SET ANALYZERS-STATIC
- SIGNAL GENERATORS
- FREQUENCY MODULATORS
- CATHODE RAY OSCILLOSCOPES
- SET ANALYZERS-DYNAMIC
- ASSOCIATED TEST EQUIPMENT

SUPREME INSTRUMENTS CORPORATION

GREENWOOD -:- MISSISSIPPI -:- U. S. A.

SUPREME MODEL 504-A

TUBE, BATTERY AND SET TESTER 1142

Stock No. 4778-G

ELECTRICAL SPECIFICATIONS

Power Supply Requirements:
(Unless otherwise specified on plate attached to case directly below handle)

Voltage	110/133 volts AC
Frequency	60 cycles
Power Consumption	25 watts

Rectifier Tube..... Type 71A

MECHANICAL SPECIFICATIONS

Over-all Dimensions:

	Panel	Case
Length	11-1/2 inches	14-1/4 inches
Width	11-3/4 inches	12-3/8 inches
Depth		6 inches

Weights:

Net	15-1/2 pounds
Shipping	19 Pounds

STANDARD EQUIPMENT SUPPLIED WITH THE MODEL 504-A

QUANTITY INCLUDED	STOCK NUMBER	DESCRIPTION	PACKER'S CHECK
1	4778-G	Booklet, operating data	✓
1	6725	Card, return registration	✓

The above list has been checked by the undersigned who is responsible for the completion of this package.

Model 504-A, Serial Number 6443 Signed _____
MENTION ABOVE NUMBERS IN ALL CORRESPONDENCE Shipping Dept.

SUPREME INSTRUMENTS CORPORATION
GREENWOOD, MISSISSIPPI
U. S. A.

MODEL 504-A

OPERATING DATA

INTRODUCTION

The Supreme Model 504-A is a complete tube, battery and set tester for checking the static condition of radio receivers and parts as well as many other types of electronic apparatus.

The tube testing circuit of the Model 504-A is designed to classify receiving type tubes by the emission principle. This type of tester has long been recognized to be the most accurate of any simple test on vacuum tubes. By checking the cathode or filament, as the case may be, for its ability to emit electrons or current to the other elements of the tube, the quality of the tube may be accurately classified. In setting the limits on the tubes as shown on the roll chart, Supreme engineers worked closely with tube manufacturers. Recommended loads and voltages are used throughout the tester.

The battery testing function provides a load upon the battery or cell under test which represents the average current drain on that particular type of battery. The discard points used in this section of the Model 504-A are those recommended by the manufacturers of portable radio batteries.

The multimeter section of the Model 504-A incorporates seven choice functions built around a meter with a sensitivity of 500 microamperes. This section includes a total of twenty-nine carefully selected ranges and also provisions for electrolytic and electrostatic capacitor checks. Twenty-seven multimeter functions are operated from only one pair of pin jacks by means of two sets of push button switches which make it a completely automatic unit.

DESCRIPTION OF PANEL AND COMPONENTS

METER:

Four-inch, SUPREME full-vision type.

SCALES - BAD TUBE-?-GOOD TUBE, red sector, orange sector, and green sector. English reading scale for checking the condition of tubes and batteries.

DIODES----O.K. - (Arrow scale) for checking tubes containing diodes such as 6H6, 75, 6Q7, etc.

OHMS - "2M" non-linear to "0" with "35" mark at center scale - for resistance and continuity measurements.

VOLTS MA - 0/5/10/50 basic linear scale for all current and voltage measurements except 0-5 volts A-C and 0-5 volts output.

5 VOLTS A.C. - Used only for 0-5 volts A.C. and 0-5 volts output ranges.

GOOD CAPACITOR--BAD CAPACITOR - Green and red sectors for indicating conditions of electrolytic capacitors.

SOCKETS:

4 hole, 5 hole, 6 hole and bantam, jr. on left side of meter; 7 hole, pilot, octal, loctal and miniature on right side of meter.

PUSH BUTTONS:

Left edge of panel - 10 buttons: "Q" momentary, "L" momentary, 1, 2, 3, 4, 5, 6, 7, and 8. Function selector switch for multimeter section, quality test and the famous SUPREME DOUBLE FLOATING FILAMENT RETURN SELECTOR for the tube testing section.

PUSH BUTTONS:

Right edge of panel - 10 buttons: Blank locking, 1-9, 2, 3, 4, 5, 6, 7, 8 and blank momentary release. Range selector for multimeter section and element controls for tube testing sections. This is also used for electrolytic condenser test shunts.

PIN JACKS:

Directly below four hole socket.
"10 AMP. D.C." - for measurement of high current values.
"NOISE TEST" - phone insert terminal for checking noise in vacuum tubes.

PIN JACKS:

Directly below octal socket.
"BATT TEST" - for checking portable radio batteries.
"2500 D.C.V." - for extremely high D-C voltage measurement.

PIN JACKS:

Directly below roll chart - "-" and "⏚" - common multimeter terminals for automatic operation of all multimeter functions except 10 ampere and 2500 volt D-C range.

ROTARY SWITCH:

Directly below left hand corner of meter. Number 1 to 18 on panel - for selecting proper filament voltages in tube and pilot light testing section.

ROTARY SWITCH:

Directly below right hand corner of meter. Positions A,B,C,D,E,F, and G for applying proper load and anode voltage to tube under test. Position 1.5 V, 4.5 V, 6.0 V, 45 V, and 90 V for inserting proper load and shunts in battery testing section.

ROTARY POTENTIOMETER:

Directly below meter - for ohmmeter adjustment in multimeter section and quality control in tube testing section.

ROTARY POTENTIOMETER:

Directly to left of roll chart with encircling arrow - line adjustment control and power switch. Power is off when this control is in the extreme counter-clockwise position.

NEON LAMP:

Directly to right of roll chart - for visual indication of shorted, leaky or dislocated elements in vacuum tubes. Filament continuity test.

MODEL NUMBER:

504-A - indicated directly below neon lamp.

SERIAL NUMBER:

Stamped in panel directly below roll chart.

PLEASE MENTION MODEL AND SERIAL NUMBER IN ALL CORRESPONDENCE.

PRELIMINARY INSTALLATION AND ADJUSTMENTS

Connect power supply plug to an A-C supply socket. Be sure that it is of the proper voltage and frequency for which this tester was originally supplied. See "ELECTRICAL SPECIFICATIONS" on the first page of this instruction book.

Depress locking type button "PRESS FOR BATT AND TUBE TESTER" located below button "1-9". Depress and hold down "LINE ADJUST" push button on left hand side of panel.

Adjust "OFF" line adjustment potentiometer until meter needle indicates as close to center of orange section of tube tester scale as possible. The meter will read in all positions of the potentiometer except in the extreme counter-clockwise or "OFF" position. Recheck this adjustment in case of line voltage fluctuation.

NOTE: When the instrument is used on the tube test, condenser test and megohm functions, it must be connected to the A-C line. For all other tests, it is self-contained.

GENERAL OPERATION

TUBE TESTER

Listings for all standard tubes are shown on the roller chart and each "Arrowway" will lead the operator's eye from the number and letter settings to the correct control. To check a tube, first rotate the chart by means of the thumb wheel to the desired tube type. The tube types are listed in numerical-alphabetical order with a few supplementary settings on the lower part of the chart. Footnotes are also listed on the lower part of the chart for special notations indicated by reference letters (A,B, C,Dio, etc.) beside the respective tube types.

Set controls as marked in respective columns of the chart, except number under extreme right hand "Arrow-way" by following red "Arrow-ways" to the proper controls.

Press momentary "RELEASE FOR LEAKAGE" button to release any previously depressed buttons in same row. Place tube in proper socket and connect top cap lead if tube uses this type of connection. Then press successively buttons "1-9" to "8" of right hand row. Neon tubes should light when one of the buttons is pressed (showing filament continuity) but should not glow steadily when any of the other buttons are pressed. The button which will light the lamp corresponds to one of the filament or heater terminals of the tube. If the lamp lights when any of the other buttons are pressed, the tube has an internal short.

NOTE: Tubes having tapped heaters will light the neon lamp when one or more of the buttons corresponding to the pin terminations of the heater are pressed.

Button numbers correspond to standard RMA pin termination numbering. If the neon lamp lights when either of two (or more) buttons are pressed, the elements connected to those pin terminations are electrically connected to each other.

When testing tubes for leakage and inter-electrode shorts, the sensitivity of the neon lamp may be increased by holding down the button marked "NEON LAMP SENS." throughout the test. However, under these conditions, good tubes may show a slight amount of leakage between heater and cathode.

If tube has no internal shorts, press "PRESS FOR TUBE TESTER" button and then numbered button or buttons as shown under extreme right hand "Arrow-way". For example, if chart reads "458", press buttons numbered 4,5, and 8.

IMPORTANT: It is important that all tubes being tested be given sufficient time to reach proper operating temperature before the button "Q" is depressed.

Press lower left hand button marked "Q" and note condition of tube on "BAD TUBE-?-GOOD TUBE" meter scale. If tube has indirectly heated cathode, allow sufficient time to reach normal operating temperature. When more than one listing appears for the same type of tube, both tests should be performed in order to determine the merit of the tube.

BATTERY TESTER

Press "RELEASE FOR LEAKAGE AND MULTIMETER" button, then press "PRESS FOR BATT" button in right hand row. Set right hand selector switch to voltage of battery

being tested. Connect battery to upper right hand pin jacks marked "BATT. TEST" observing proper polarity. Press "QUALITY FOR BATT" button and read battery condition on "BAD TUBE-?-GOOD TUBE" scale. For good batteries the meter needle will come to rest in the green "GOOD TUBE" sector.

MULTIMETER

Press "RELEASESFOR LEAKAGE AND MULTIMETER" button to release any previously depressed buttons. For each multimeter range of this instrument, two buttons must be pressed. First, press the button in the left hand row corresponding to the desired function, then press the button in the right hand row corresponding to the required range. For all direct current ranges, the "Q" button must be pressed. All ranges except the 10 ampere and 2500 D-C volt are accessible from the pin jacks on the lower edge of the panel. The 10 ampere range is connected to the upper right hand pin jacks by pressing the "D.C MA." and the "1 AMP" buttons. The 2500 D-C volt range is accessible from a separate set of pin jacks in the upper right hand side of the panel by pressing the "D.C. VOLTS" and "1000 D.C.V." buttons.

When using the ohms and megohms ranges, first adjust the meter to read full scale (zero ohms) when the two pin jacks at the lower edge of the panel are connected together. This can be done by touching together the two test leads which are being used for resistance measurements. The meter should be readjusted for zero ohms each time the operator changes the instrument range. It is suggested that for the greatest degree of accuracy that when using the 200 ohm range, the pin jacks be shorted with as short a lead as possible.

CONDENSER TESTER

Electrostatic condensers are tested using the 20 megohm range of the multimeter. The amount of leakage permitted depends upon the application. When the condenser is used for coupling purposes, there should be no noticeable deflection of the meter except momentary charge or discharge.

To test electrolytic condensers, press "RELEASE FOR LEAKAGE AND MULTIMETER" button; then press "ELEC COND" button in left hand row. Set right hand selector switch to letter indicated on chart in the back of this book. (Listings are given according to capacity/working voltage.) Press "1-9" button in right hand row. Connect condenser to pin jacks on lower edge of panel, observing proper polarity, and allow approximately fifteen seconds for the condenser to charge. Note position of meter needle. If needle does not start to drop back within about fifteen seconds, condenser probably has proper protective formation. If needle drops back slowly, allow condenser to form until needle comes to rest. (This will take at least ten minutes for condensers that have been idle for a period of time.)

If right hand setting in chart is greater than "1", press button "2", then button "3", etc. until the number indicated on the chart is reached. Read condenser's leakage condition on "GOOD CAPACITOR-BAD CAPACITOR" meter scale. If needle rests in red portion or goes off scale, condenser should be rejected. If needle rests in green portion, condenser is satisfactory for use.

APPLICATIONS

TUBE TESTER

Single-purpose tubes (triode, pentode, etc." require only one test and follow the procedure given in "GENERAL OPERATION INSTRUCTIONS".

Multi-purpose types (including full-wave rectifiers) have more than one listing and must pass all tests to be acceptable.

Cold cathode types have no filament and consequently the neon lamp "SHORT" indicator should not glow continuously during test unless tube has interconnected pin terminations.

Loctal types have a metal centering pin and should be tested in the socket to the left of the "BATT. TEST" pin jacks.

SPECIAL TUBES: 6A5 - Will show filament continuity on "2" and "7" buttons on right hand row.

25Y5 & 25Z5 - These tubes have two cathodes. When using high sensitivity leakage check, neon lamp may glow when leakage testing between either cathode or filament, but should go out if "L" button is released. This also holds for other tubes with two cathodes.

Pilot lights may be checked by setting switches as indicated in chart on last page. Lamp will light to normal brilliance if good. (Use center contacts in 7-prong socket)

IMPORTANT: It is important that all tubes being tested be given sufficient time to reach proper operating temperature before the button "Q" is depressed.

BATTERY TESTER

The voltage settings for all popular types of portable radio batteries are given on the panel and the general operating instructions will apply. To test batteries with voltage ratings between these points, use the next higher setting and make a comparative check against one of known condition.

MULTIMETER AND CONDENSER TESTER

A chart will be found at the end of this manual which will prove of value to a new operator for interpolation purposes. There are also given the settings for the more popular types of wet and dry electrolytic condensers.

SERVICE AND MAINTENANCE

All functions and ranges of this instrument were carefully inspected and calibrated before shipment from the factory. If for any reason this instrument does not function properly, first check to be sure that all applicable instructions in this manual have been followed. Under normal operating conditions, the battery and tube are the only parts that will require replacement.

METER ZERO ADJUSTMENT

The meter needle should point to zero on the "VOLTS MA" scale before making any measurements with this instrument. If the needle is not indicating zero when in the normal position (all push buttons up), it may be adjusted by turning the screw on the meter case directly below the scale.

BATTERY INSTALLATION

The Model 504-A uses a two cell 1½-volt dry battery as a source of current for the three ohmmeter ranges. To install this battery, remove the seven screws on the outer edges of the panel. This will allow the instrument to be taken out of the case. Connect the two long battery leads to the terminals of the battery, observing the proper polarity (red wire to "+" terminal). Insert battery in bracket which is fastened to the bottom of the case.

BATTERY REPLACEMENT

When the first three ohmmeter ranges will no longer adjust to zero ohms (full scale deflection), replace the 1½-volt battery. Directions for the installation of this battery are given in the preceding paragraph.

ROLL CHART REPLACEMENT

When a sufficient number of new tube types are announced, the factory will release a new edition of the roll chart which may be secured from the parts department upon application. When requesting new charts, make certain to indicate the edition number of the one in use. This number appears at the beginning of the roll (5141, etc.). To install this chart, remove the instrument from the case as given under BATTERY INSTALLATION. Next, remove the two screws on either side of the chart frame and lift the roller mechanism from the tester. Rotate the thumb wheel until end of chart is located, loosen adhesive tape and pull old chart out of roller. Replace chart by reversing this procedure.

INTERNAL POWER SUPPLY

The megohms ranges, electrolytic leakage section and center scale line adjustment, obtain power from a high voltage winding of the transformer. This A-C voltage is converted to D-C by the type 71A tube operating as a half-wave rectifier. If the meter does not indicate when the preliminary line adjustment is made, first check this tube and be sure that it is firmly seated in its socket.

SCHEMATIC DIAGRAM

The attached circuit diagram is included for the convenience of the operator. All double throw push button switches make contact with the right hand arrows when in their normal (up) position. If for any reason the operator should require additional service date, write the "SERVICE ENGINEER" at the factory. BE SURE TO MENTION THE MODEL AND SERIAL NUMBER WHEN REQUESTING INFORMATION.

REPLACEMENT PARTS

STOCK NUMBER	DESCRIPTION
8309	Battery, ohmmeter replacement
4965	Chart, 504-A tube list roll
8352	Lamp, neon glow for Model 504-A
5532	Meter, black full vision type
6986-87	Test leads, black and red alligator
6744-45	Test leads, black and red pin plugs
7885	Tube, type 71A
4688	Adapter, Acorn type

The parts used in the Model 504-A were carefully inspected for mechanical and electrical defects before shipment from the factory. The foregoing list includes several items which may be easily replaced by the operator should the necessity arise. Orders should be directed to the parts department of the company

TYPE MEASURE-MENT	RANGE OF MEASUREMENT	BUTTONS PUSHED		READ ON METER SCALE	TO INTERPRET READING
		LEFT	RIGHT		
DIRECT CURRENT	0 to 0.5 MA.	D. C. MA.	0.5 MA.	VOLTS MA 0-5	Divide by 10
	0.5 to 2.5 MA.	D. C. MA.	2.5 MA.	VOLTS MA 0-5	Divide by 2
	2.5 to 10 MA.	D. C. MA.	10 MA.	VOLTS MA 0-10	Read Direct
	10 to 50 MA.	D. C. MA.	50 MA.	VOLTS MA 0-50	Read Direct
	50 to 250 MA.	D. C. MA.	250 MA.	VOLTS MA 0-50	Multiply by 5
	0.25 to 1.0 AMP	D. C. MA.	1 AMP.	VOLTS MA 0-10	Divide by 10
	1.0 to 10 AMP	D. C. MA.	1 AMP.	VOLTS MA 0-10	Read Direct
	Note: For 10 AMP. range, use terminals in upper left hand corner of instrument marked "10 AMP. D.C.". Press "Q" button in left hand row for all milliampere (MA.) and ampere (A P.) readings.				
D-C VOLTAGE	0 to 5 volts	D.C. VOLTS	5 D.C.V.	VOLTS MA 0-5	Read Direct
	5 to 25 volts	D.C. VOLTS	25 D.C.V.	VOLTS MA 0-50	Divide by 2
	25 to 100 volts	D.C. VOLTS	100 D.C.V.	VOLTS MA 0-10	Multiply by 10
	100 to 250 volts	D.C. VOLTS	250 D.C.V.	VOLTS MA 0-50	Multiply by 5
	250 to 500 volts	D.C. VOLTS	500 D.C.V.	VOLTS MA 0-50	Multiply by 10
	500 to 1000 volts	D.C. VOLTS	1000 D.C.V.	VOLTS MA 0-10	Multiply by 100
	1000 to 2500 volts	D.C. VOLTS	1000 D.C.V.	VOLTS MA 0-50	Multiply by 50
	Note: For 2500 volt range, use terminals in upper right hand corner of instrument marked "2500 D.C.V.".				
CAPACITOR LEAKAGE	All Capacitors Electrostatic	MEGOHMS	20 MEG	OHMS ∞ - 0	See Operating Instructions--Electrostatic and Electrolytic Condensers
	2 to 50 MFD. 25 to 450 w.v. Electrolytic	ELEC COND	See Instructions	GOOD CAPACITOR BAD CAPACITOR	
RESISTANCE	0 to 20 ohms	OHMS-OHMS	200	OHMS ∞ -0	Divide by 10
	20 to 200 ohms	OHMS-OHMS	2M	OHMS ∞ -0	Read Direct
	200 to 2000 ohms	OHMS-OHMS	20M	OHMS ∞ -0	Multiply by 10
	2000 to 200M ohms	MEGOHMS	2MEG	OHMS ∞ -0	Multiply by 100
	200M ohms to 20 megohms	MEGOHMS	20MEG	OHMS ∞ -0	Multiply by 10M
A-C VOLTAGE	0 to 5 volts	A.C. VOLTS	5 A.C.V.	5VOLTS A.C.0-5	Read Direct
	5 to 10 volts	A.C. VOLTS	10 A.C.V.	VOLTS MA 0-10	Read Direct
	10 to 50 volts	A.C. VOLTS	50 A.C.V.	VOLTS MA 0-50	Read Direct
	50 to 250 volts	A.C. VOLTS	250 A.C.V.	VOLTS MA 0-50	Multiply by 5
	250 to 1000 volts	A.C. VOLTS	1000 A.C.V.	VOLTS MA 0-10	Multiply by 100
OUTPUT VOLTAGE (approximate at 400 cycles)	0 to 5 volts	OUTPUT	5 OUT.V.	5 VOLTS A.C.0-5	Read Direct
	5 to 10 volts	OUTPUT	10 OUT.V.	VOLTS MA 0-10	Read Direct
	10 to 50 volts	OUTPUT	50 OUT.V.	VOLTS MA 0-50	Read Direct
	50 to 250 volts	OUTPUT	250 OUT.V.	VOLTS MA 0-50	Multiply by 5
	250 to 1000 volts	OUTPUT	1000 OUT.V.	VOLTS MA 0-10	Multiply by 100

SETTING FOR " WET" ELECTROLYTICS

MFD/WV	CONTROL			SETTINGS	
4/250	6	1	0	E	7
4/350	6	1	0	F	7
4/450	6	1	0	G	7
8/250	6	1	0	E	5
8/350	6	1	0	F	5
8/450	6	1	0	G	5
10/250	6	1	0	E	4
10/350	6	1	0	F	4
10/450	6	1	0	G	4
12/200	6	1	0	D	3
12/350	6	1	0	F	3
12/450	6	1	0	G	3
16/200	6	1	0	D	2
16/350	6	1	0	F	2
16/450	6	1	0	G	2
20/200	6	1	0	D	1
20/350	6	1	0	F	1
20/450	6	1	0	G	1
24/350	6	1	0	F	1
24/450	6	1	0	G	1
25/50	6	1	0	B	1
50/50	6	1	0	B	1

PILOT LAMPS

VOLTAGE	CONTROL			SETTINGS	
1.5	1	1	0	90V	47
2.0	1	2	0	90V	47
2.5	1	3	0	90V	47
3.3	1	4	0	90V	47
5.0	1	5	0	90V	47
6.3	1	6	0	90V	47
7.5	1	7	0	90V	47
12.6	1	8	0	90V	47
25.0	1	9	0	90V	47
32.0	1	10	0	90V	47
50.0	1	11	0	90V	47
60.0	1	12	0	90V	47

SETTINGS FOR "DRY" ELECTROLYTICS

MFD/WV	CONTROL			SETTINGS	
2/450	6	1	0	G	7
4/200	6	1	0	D	8
4/250	6	1	0	E	7
4/350	6	1	0	F	7
4/450	6	1	0	G	5
5/25	6	1	0	A	8
5/50	6	1	0	B	8
5/100	6	1	0	G	8
8/200	6	1	0	D	6
8/250	6	1	0	E	5
8/350	6	1	0	F	5
8/450	6	1	0	G	2
10/25	6	1	0	A	6
10/50	6	1	0	B	6
10/100	6	1	0	C	6
10/200	6	1	0	D	6
10/250	6	1	0	E	4
10/350	6	1	0	F	4
10/450	6	1	0	G	2
12/200	6	1	0	D	5
12/250	6	1	0	E	3
12/350	6	1	0	F	3
12/450	6	1	0	G	1
16/200	6	1	0	C	4
16/250	6	1	0	E	2
16/350	6	1	0	F	2
16/450	6	1	0	G	1
20/25	6	1	0	A	5
20/50	6	1	0	B	5
20/100	6	1	0	C	5
20/200	6	1	0	D	3
20/350	6	1	0	F	1
20/450	6	1	0	G	1
25/25	6	1	0	A	4
25/50	6	1	0	B	4
25/100	6	1	0	C	3
25/200	6	1	0	D	2
30/200	6	1	0	D	1
30/450	6	1	0	G	1
50/25	6	1	0	A	4
50/50	6	1	0	B	4

All control settings on the above chart are shown in the respective order of the tube roll chart listings. When testing electrolytic condensers, refer to second paragraph of "CONDENSER TESTER" instructions on page 4 of this manual for setting of right hand push buttons.

SUPREME
INSTRUMENTS CORPORATION
GREENWOOD, MISS., U.S.A.

SCHEMATIC DIAGRAM
MODEL 504-A

DRAWN C.J. Greeley
CHECKED
TRACED W. PACE
APPROVED
DATE 12-9-40
NO. 2403-C

IMPORTANT

REGISTRATION: A RETURN REGISTRATION CARD ACCOMPANIES EACH NEW *SUPREME* INSTRUMENT. THIS REGISTRATION CARD MUST BE FILLED OUT AND RETURNED TO THE FACTORY WITHIN *ten days* AFTER THE RECEIPT OF THE INSTRUMENT. THIS REGISTRATION ESTABLISHES OWNERSHIP AND PLACES THE FACTORY IN A POSITION TO MAIL ANY ADDITIONAL DATA ISSUED ON THE OPERATION OF THE INSTRUMENT IF A GENERAL MAILING IS MADE.

GUARANTEE: *SUPREME* INSTRUMENTS ARE GUARANTEED TO BE FREE FROM DEFECTS IN MATERIAL OR WORKMANSHIP FOR 90 DAYS. THE GUARANTEE IS NOT APPLICABLE UNLESS THE PARAGRAPH *"REGISTRATION"* IS COMPLIED WITH.

TRANSPORTATION DAMAGES: *SUPREME'S* LIABILITY CEASES UPON DELIVERY OF THE SHIPMENT IN GOOD CONDITION TO THE TRANSPORTATION COMPANY GUARANTEEING SAFE DELIVERY. IF THE TESTER IS RECEIVED IN AN INOPERATIVE OR DAMAGED CONDITION, THE USER OF THE TESTER SHOULD REQUEST A *concealed damage report* FROM THE TRANSPORTATION COMPANY. IN THE EVENT THE USER HAS THE INSTRUMENT REPAIRED AT OUR NEAREST AUTHORIZED SERVICE STATION, HE SHOULD FILE CLAIM, AFTER THE REPAIR HAS BEEN SATISFACTORILY MADE, WITH THE TRANSPORTATION COMPANY, SUPPORTING HIS CLAIM WITH (1) TRANSPORTATION RECEIPTS (2) RECEIPTED SERVICE STATION INVOICE AND (3) THE TRANSPORTATION COMPANY'S CONCEALED DAMAGE REPORT. IF THE INSTRUMENT IS RETURNED DIRECTLY TO THE FACTORY FOR SUCH REPAIR, THE USER SHOULD MAIL SEPARATELY THE TRANSPORTATION COMPANY'S CONCEALED DAMAGE REPORT TO THE *Factory Service Engineer.*

SERVICE: SHOULD ANY OF YOUR *SUPREME* EQUIPMENT FAIL TO FUNCTION PROPERLY PLEASE OBSERVE THE FOLLOWING NOTES WHICH WILL ENABLE US TO GIVE YOU FAST AND EFFICIENT SERVICE. IF YOU ARE RETURNING ANY INSTRUMENT TO THE FACTORY, PLEASE SHIP VIA *Prepaid Express* AND MAIL *Separately* A LETTER ADVISING OUR SERVICE DEPARTMENT OF ALL THE TROUBLE YOU HAVE EXPERIENCED WITH THE TESTER. ON THE OTHER HAND, THE TROUBLE MAY BE MINOR, ONE WHICH YOU MAY CORRECT YOURSELF IN JUST A FEW MINUTES. IN SUCH CASE, WRITE US FIRST AND USUALLY WE CAN GIVE YOU THE INFORMATION WHICH WILL SAVE A LOT OF UNNECESSARY DELAY AND EXPENSE.

REPLACEMENT PARTS: IF THE OWNER SHOULD REQUIRE PARTS OR ACCESSORIES FOR ANY *SUPREME* EQUIPMENT, THESE MAY BE OBTAINED THROUGH YOUR JOBBER OR ORDERED DIRECTLY FROM THE FACTORY. ORDERS UNDER $1.00 SHOULD BE ACCOMPANIED WITH REMITTANCE COVERING THE PRICE OF THE ITEMS AND MAILING CHARGES. ORDERS OVER $1.00 SHOULD BE ACCOMPANIED BY A DEPOSIT OF NOT LESS THAN 50% OF THE TOTAL AMOUNT AND WILL BE SHIPPED C.O.D. FOR THE BALANCE DUE. ALL REMITTANCES SHOULD BE MADE BY *Check* OR *Money Order.* PLEASE DO NOT SEND STAMPS. DATA, SUCH AS INSTRUCTIONS, TUBE LISTS, AND CIRCUIT DIAGRAMS, SHOULD BE ORDERED FROM THE SERVICE DEPARTMENT. *IN ALL CASES, STATE THE MODEL AND SERIAL NUMBER OF THE TESTER.*

SUPREME INSTRUMENTS CORPORATION
Greenwood, Mississippi
USA