

- 1 UNLESS OTHERWISE SPECIFIED, RESISTORS ARE SHOWN IN OHMS.  
K=1,000 Ω  
M=1,000,000 Ω
- 2 CAPACITANCES ARE IN MICROFARADS.
3.   = FRONT PANEL MARKING.
4. + NO CONNECTION
5. † CONNECTION

● PANEL CONTROL  
● INTERNAL CONTROL

ALL MA, OHMS, CAPACITY  
P-P 1500V RMS 500, 1500V

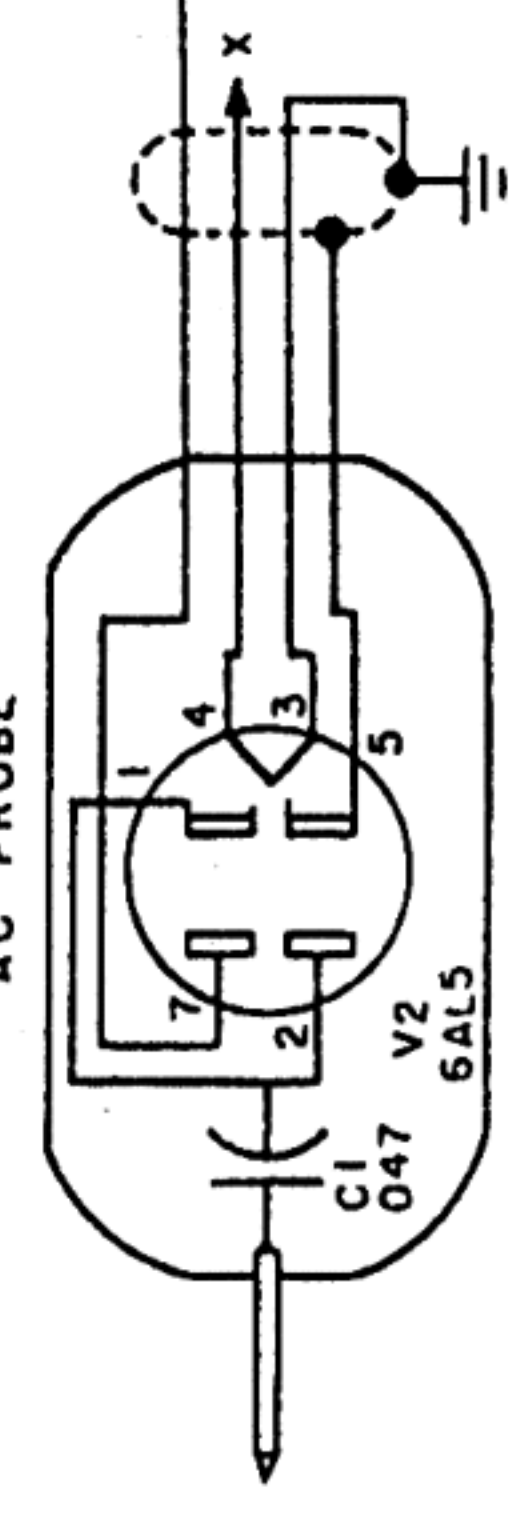
FUNCTION S.1  
OFF  
MA  
+DC V  
-DC V  
AC RMS  
AC P-P  
OHMS  
CAPACITY

ALL DC V  
DC PROBE  
R28 1M

VOLTS-MA	OHMS	CAPACITY
0.5		
1.5	X 1M	X 10 PF
5.0	X 100K	X 100PF
15	X 10K	X 1000 PF
50	X 1K	X .01MFD
150	X 100	X 0.1MFD
500	X 10	X 1 MFD
1500	X 1	X 10 MFD

ALL MA, OHMS, CAPACITY  
P-P 1500 V RMS 500, 1500 V

RMS 1.5-150 V  
P-P 5.0-500 V  
AC PROBE



PARTS LIST

INTRODUCTION

Reference designations are assigned to identify all parts of the Model 209C Vacuum Tube Voltmeter. These designations are used in the parts list and schematic wiring diagram. The letter prefix of a reference designation indicates the kind of part -- resistor, capacitor, electron tube, et cetera.

REF. DESIG.	NOTE	NAME AND DESCRIPTION	HICKOK PART NO.	PRICE EACH
C1		CAPACITOR, FIXED PAPER: .047 $\mu$ f, 20%, 400 volts	3105-387	.75
C2		CAPACITOR, FIXED, MYLAR: .01 $\mu$ f, 5%, 200 volts	3090-204	.67
C3		CAPACITOR, FIXED, MYLAR: .018 $\mu$ f, 5%, 600 volts, tubular	3090-614	.67
C4		CAPACITOR, FIXED, MYLAR: .47 $\mu$ f, 10%, 100 volts, tubular	3090-7	.66
C5		CAPACITOR, FIXED, ELECTROLYTIC: 20 $\mu$ f, 250 volts	3085-74	.97
C6		Same as C5		
C7		CAPACITOR, FIXED, ELECTROLYTIC: 100 $\mu$ f, 25 volts, tubular	3085-256	.94
C8		Same as C3		
D1		SEMI-CONDUCTOR DEVICE, DIODE: SC-6, 600 PIV.	3870-101	1.55
D2		SEMI-CONDUCTOR DEVICE, DIODE: SS-05 (50V PIV.)	3870-144	.95
D3		Same as D1		
M1		METER: 170 $\mu$ a $\pm$ 2%, 1000 ohms, +0% -20%	220-195	32.19
R1		RESISTOR, FIXED, FILM: 6.84 megohms, 1%, 1 watt	18539-55	.74
R2		RESISTOR, FIXED, FILM: 2.16 megohms, 1%, 1/2 watt	18537-277	.40
R3		RESISTOR, FIXED, FILM: 684K ohms, 1%, 1/2 watt	18537-276	.40
R4		RESISTOR, FIXED, FILM: 216K ohms, 1%, 1/2 watt	18537-278	.40
R5		RESISTOR, FIXED, FILM: 68.4K ohms, 1%, 1/2 watt	18537-279	.40
R6		RESISTOR, FIXED, FILM: 21.6K ohms, 1%, 1/2 watt	18537-275	.40
R7		RESISTOR, FIXED, FILM: 9K ohms, 1%, 1/2 watt	18537-44	.81
R8		RESISTOR, FIXED, FILM: 900 ohms, 1%, 1/2 watt	18537-4	.59
R9		RESISTOR, FIXED, FILM: 90 ohms, 1%, 1/2 watt	18537-45	.81
R10		RESISTOR, FIXED, FILM: 14.2 megohms, 1%, 1 watt	18539-61	.74
R11		RESISTOR, FIXED, COMPOSITION: 100 megohms, 10%, 2 watt	18437-102	.60
R12		RESISTOR, FIXED, FILM: 7.92 megohms, 1%, 1 watt	18539-60	.64
R13		RESISTOR, FIXED, FILM: 2.315 megohms, 1%, 1/2 watt	18537-272	.40
R14		RESISTOR, FIXED, FILM: 692K ohms, 1%, 1/2 watt	18537-273	.40

REF. DESIG.	NOTE	NAME AND DESCRIPTION	HICKOK PART NO.	PRICE EACH
R15		RESISTOR, FIXED, FILM: 218K ohms, 1%, 1/2 watt	18537-274	.40
R16		RESISTOR, FIXED, FILM: 100K ohms, 1%, 1/2 watt	18694-485	.40
R17		RESISTOR, FIXED, FILM: 684 ohms, 1%, 1/2 watt	18537-224	.40
R18		RESISTOR, FIXED, FILM: 216 ohms, 1%, 1/2 watt	18537-223	.40
R19		RESISTOR, FIXED, FILM: 68.4 ohms, 1%, 1/2 watt	18537-222	.40
R20		RESISTOR, FIXED, FILM: 21.6 ohms, 1%, 1/2 watt	18537-221	.40
R21		RESISTOR, FIXED, FILM: 6.84 ohms, 1%, 1/2 watt	18537-220	.40
R22		RESISTOR, FIXED, WIRE WOUND: 2.16 ohms, 1%, 1/2 watt	18525-839	1.30
R23		RESISTOR, FIXED, WIRE WOUND: .684 ohms, 1%, 1/2 watt	18525-838	1.30
R24		RESISTOR, FIXED, WIRE WOUND: .316 ohms, 1%, 3/4 watt or larger	18575-488	1.30
R25		RESISTOR, FIXED, FILM: 5.11K ohms, 1%, 1/2 watt	18694-361	.40
R26		RESISTOR, FIXED, COMPOSITION: (Calibration) 620 ohms nom. 330/1K (1/2 watt)		
R27		RESISTOR, VARIABLE: 3000 ohms	16925-435	.88
R28		RESISTOR, FIXED, COMPOSITION: 1 megohm, 10%, 1/2 watt	18415-102	.38
R29		RESISTOR, FIXED, FILM: 4.64 megohms, 1%, 1/2 watt	18694-645	.40
R30		RESISTOR, FIXED, COMPOSITION: 10K ohms, 10%, 1/2 watt	18413-102	.38
R31		RESISTOR, FIXED, FILM: 1.33 megohms, 1%, 1/2 watt	18694-593	.40
R32		Same as R27		
R33		Same as R27		
R34		Same as R27		
R35		RESISTOR, VARIABLE: 5K ohms, 20%, 1/2 watt (ohms adjust)	16925-556	.85
R36		RESISTOR, FIXED, COMPOSITION: 68K ohms, 10%, 1/2 watt	18413-682	.38
R37		RESISTOR, VARIABLE: 10,000 ohms	16925-433	.76
R38		RESISTOR, FIXED, COMPOSITION: 82K ohms, 10%, 1/2 watt	18413-822	.36
R39		RESISTOR, FIXED, COMPOSITION: 91 ohms, 5%, 1/2 watt	18410-911	.38
R40		RESISTOR, FIXED, FILM: 11 ohms, 1%, 1/2 watt	18694-105	.40
R41		RESISTOR, FIXED, FILM: 10 ohms, 1%, 2 watt	18698-101	.86

REF. DESIG.	NOTES	NAME AND DESCRIPTION	HICKOK PART NO.	PRICE EACH
R42		RESISTOR, FIXED, COMPOSITION: 56K ohms, 10%, 1/2 watt	18413-562	.38
R43		Same as R42		
R44		RESISTOR, FIXED, COMPOSITION: 1000 ohms, 10%, 1/2 watt	18412-102	.38
R45		RESISTOR, VARIABLE: 50K ohms, 20%, 1/2 watt	16925-555	.85
S1		SWITCH, ROTARY: range, 4 section, 8 position	19912-579	3.60
S2		SWITCH, ROTARY: function, 5 section, 8 position	19912-578	4.50
T1		TRANSFORMER: power	20800-265	3.91
V1		TUBE: 12AT7, aged	20877-31	4.45
V2		TUBE: 6AL5, aged	20877-32	3.69
		BOOKLET: instructions	2490-513	3.00
		CASE ASSEMBLY	3145-587	11.86
		CORD: AC line and plug assembly, 3 conductor	3675-34	1.50
		FOOT: rubber	6050-23	.23
		HANDLE: battle ship grey, mechanism burnished nk. pl. steel	8330-113	.88
		JACK, TIP: red nylon	10300-55	.62
		JACK, TIP: black nylon	10300-56	.62
		KNOB: with indicator, black, brass bushing, hole for 1/4" shaft	11505-154	1.85
		LEAD ASSEMBLY: red	12450-379	1.16
		LEAD ASSEMBLY: black	12450-383	1.12
		LEAD ASSEMBLY: DC	12450-401	2.50
		LEAD ASSEMBLY: for probe	12450-402	1.26
		PROBE ASSEMBLY: AC	16970-79	14.75

NOTE: A minimum billing charge of \$3.50 will be assessed for any parts order.  
Prices are subject to Change without notice.

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