

FERRANTI DOUBLE TETRODE ELECTROMETER VALVE.

TYPE D.B.M. 4.A

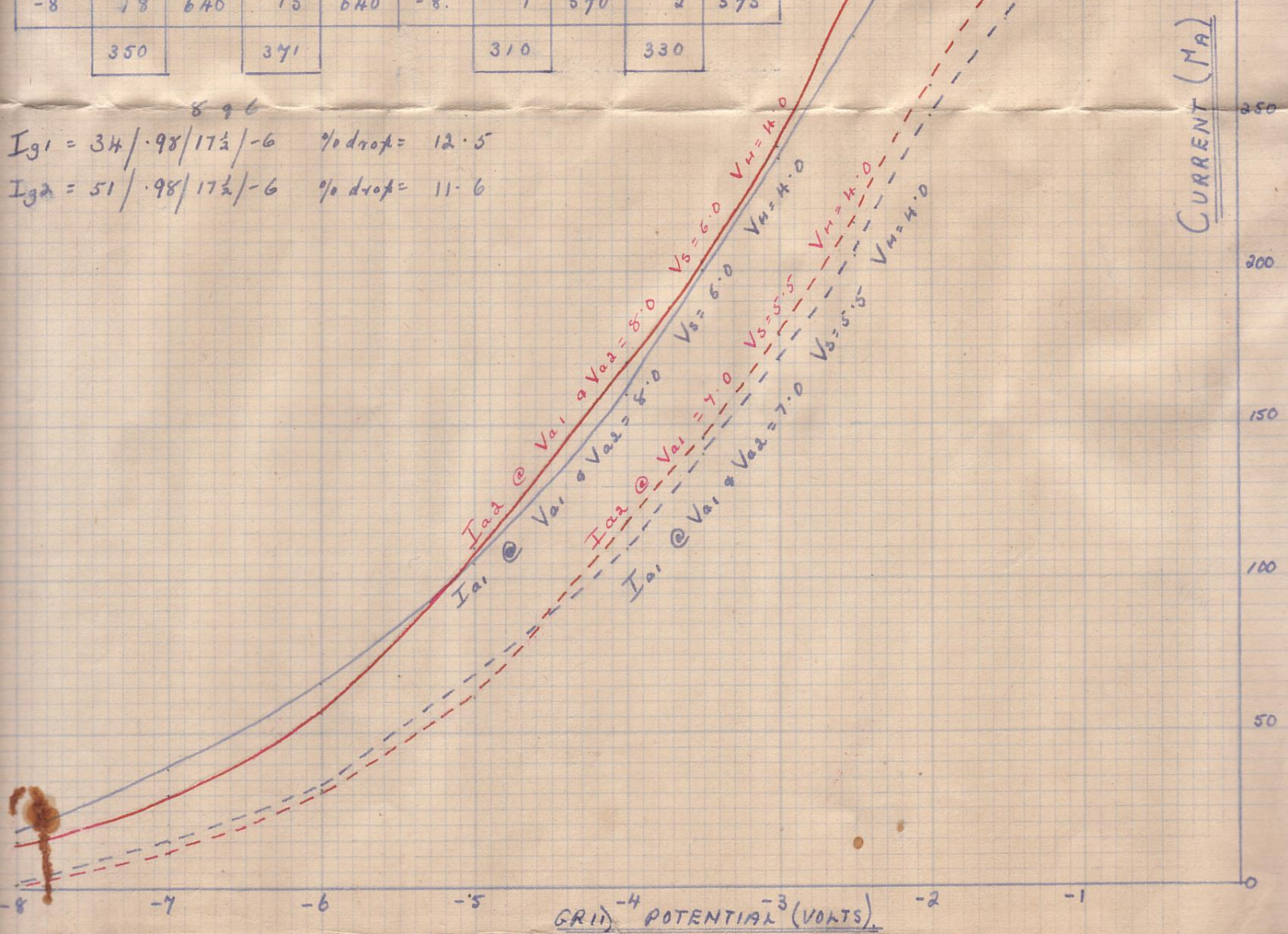
SERIAL No M.565.G.

Vg	Va=8.0		Vs=6.0		Va=7.0		Vs=5.5	
	Ia1	Is1	Ia2	Is2	Ia1	Is1	Ia2	Is2
-0	400	560	420	560	350	502	369	502
-1/2	385	562	402	565	332	510	349	510
-1	362	570	382	575	310	520	321	520
-1 1/2	340	580	360	580	281	523	295	522
-2	312	585	326	590	250	532	260	530
-2 1/2	276	595	290	598	205	540	215	540
-3	236	600	240	602	171	548	179	542
-3 1/2	200	606	202	610	140	554	145	548
-4	160	612	170	615	110	558	118	550
-5	105	622	110	630	68	560	62	560
-6	66	625	62	627	32	565	31	565
-7	38	635	30	635	15	570	12	570
-8	18	640	15	640	1	570	2	575
	350		371		310		330	

I_H = 241 ma @ V_H = 4.0

I_H = 226 ma @ V_H = 3.5

896
 I_{g1} = 34 / .98 / 17 1/2 / -6 % drop = 12.5
 I_{g2} = 51 / .98 / 17 1/2 / -6 % drop = 11.6



FERRANTI DOUBLE TETRODE ELECTROMETER VALVE.

TYPE D.B.M. 4-A

SERIAL No M.565.B.

TEST CONDITIONS.

I_{A1}/V_{G1} CURVE. I_{A2}/V_{G2} CURVE

$V_H = 4.0$ VOLTS	} Relative to the Cathode	$V_{H1} = 4.0$ VOLTS	} See graphs
$V_{A1} = 8.0$..		$V_{A1} = 8.0$..	
$V_{A2} = 8.0$..		$V_{A2} = 8.0$..	
$V_S = 6.0$..		$V_S = 6.0$..	
$V_{G2} = -3.0$..		$V_{G1} = -3.0$..	
$V_{G1} = \text{Variable}$		$V_{G2} = \text{Variable}$	

$I_H = 241 \text{ mA} @ V_H = 4.0$

TO ACHIEVE MAXIMUM CONTROL GRID INSULATION THE VALVE SHOULD BE OPERATED UNDER DRY CONDITIONS IN DARKNESS AND THE CATHODE MAINTAINED AT 6.0 TO 10.0 VOLTS -VE RELATIVE TO HEATER -VE.

A) EQUATE ELECTRICAL SCREENING IS ESSENTIAL.

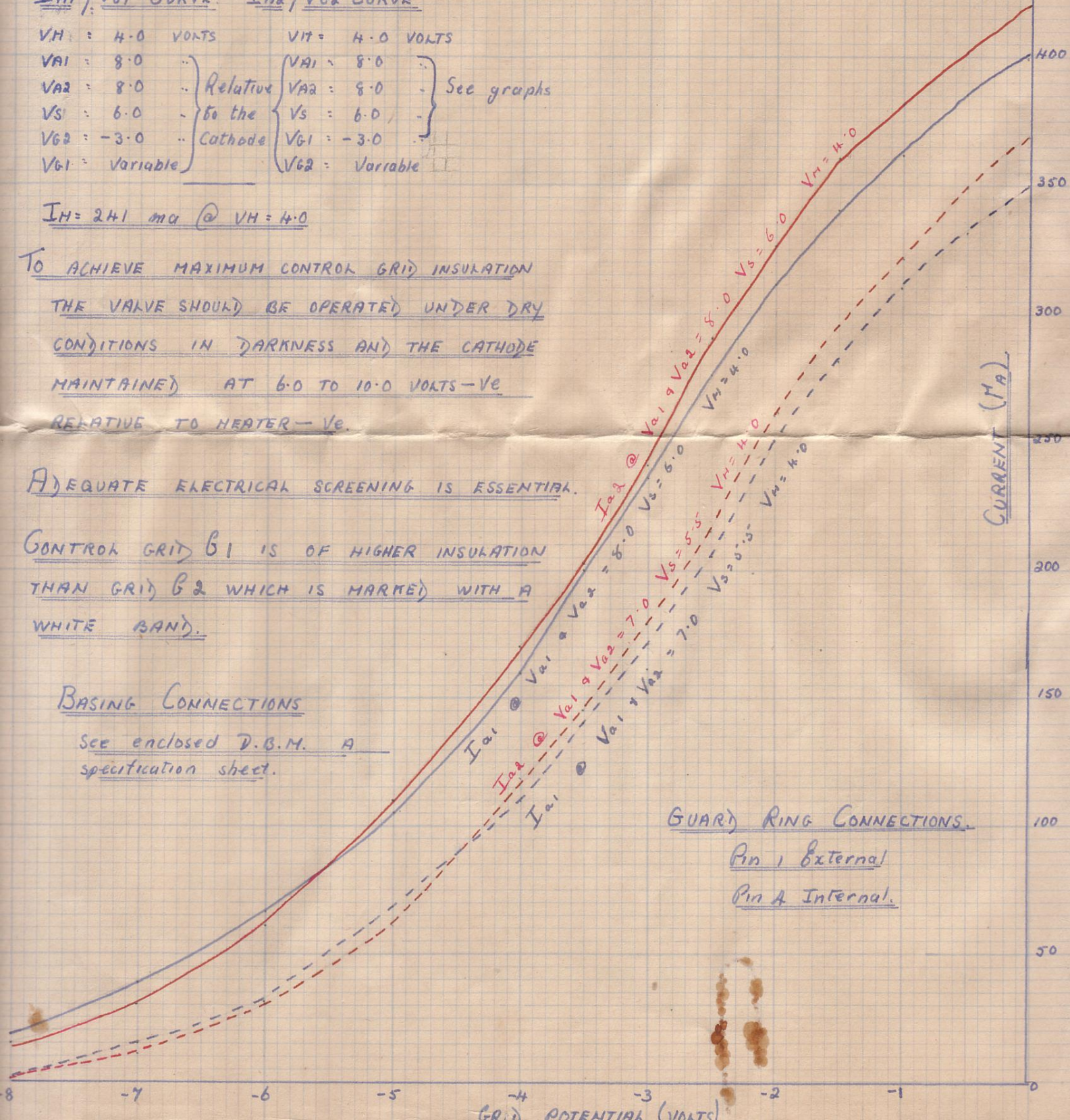
CONTROL GRID B_1 IS OF HIGHER INSULATION THAN GRID B_2 WHICH IS MARKED WITH A WHITE BAND.

BASING CONNECTIONS

SEE ENCLOSED D.B.M. A SPECIFICATION SHEET.

GUARD RING CONNECTIONS.

Pin 1 External
Pin 4 Internal.



GRID POTENTIAL (VOLTS)

CURRENT (MA)