VALVE ELECTRONIC CVIIO

Specification MAP/	SECURITY							
Dated 22.11.49. To be read in con; K1001, ignoring cl 5.8.	Specification Valve RESTRICTED UNCLASSIFT							
		- Ind	icates	a change	•		,	
TYPE OF VALVE - Gas filled voltage stabiliser				The second section of the second seco				
CATHODE - Co	OV.110							
ENVELOPE - Glass-ummetallised				BASE B5				
RATING		2110.000.000.000	Note	PAGITING				
Voltage Anode	(m)			CONNECTIONS Pin Bléotrode 1 Anode 4 2 Cathode 3 Anode 2 4 Anode 3 5 Anode 1 DIMENSIONS See K1001/AI/D1.				
(1) - Cathode Voltage Anode (2) - Cathode Voltage Anode	(A)	70 140	A A					
(3) - Cathode Voltage Anode	(v)	210	A					
(4) - Cathode Striking Voltage Maximum Cathode	$\begin{pmatrix} \Lambda \\ \Lambda \end{pmatrix}$	280 280	A					
Current	(mA)	60						
NOTE				Dimensi		THE PERSON NAMED IN COLUMN TWO	Control of the Contro	
A Cathoda Charac	ZA	A		Dimension Kin. Max. A (ma) 136 145				
A. Cathode Current = 30 mA.				В	(ma)	- JU	56,5	
				D	(mm)	2700 D 1000 D	46.5	
				J	The second project of the second seco			
				WEBSCHIEF AND ASTROCKASTON	CONTRACTOR OF THE PROPERTY OF	COMPANY TO PROPERTY.	ACCUMULATION CONTRACTOR STATEMENT	

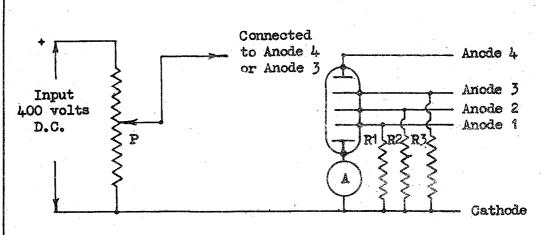
CVIIO

To be performed in addition to those applicable in K1001.

		be an alloca abbrements will it		OPERATOR IN COLUMN TO THE OWNER.						
	Test Conditions	Test	Limits Min. Max.		≸ Tested					
For tests 'a', 'b', 'c' given below the valve to be tested in a circuit similar to Circuit No.1 shown on page 3. For test 'a' the supply voltage is to be applied between Anode 3 and Cathode and for the tests 'b' and 'c' between Anode 4 and Cathode. For tests 'd' and 'e' given below the valve is to be tested in a circuit similar to Circuit No.2 shown on page 3.										
a	Increase applied voltage from zero until current flows.	Striking voltage Anode 3 to Cathode (V)	ts	280	100%					
Before the tests given below are made the valves are to be run for a period of 15 mins. with the cathode current adjusted to 30 milliamps.										
р	Cathode current adjusted to 30 mA.	Output voltages 1. Anode 4 to Gathode 2. Anode 3 to Gathode 3. Anode 2 to Gathode	250 183 121	318 236 162	100%					
		4. Anode 1 to Cathode	57	80						
С	Cathode current changed from 10 mA. to 60 mA.	Output voltage change. Anode 4 to Cathode (V)	on	25	100%					
đ	Voltage applied to valve and stabilising resistance adjusted to 239 volts.	Cathode current (mA)	lą.	-	100%					
е	Voltage applied to valve and stabilising resistance adjusted to 338 volts.	Cathode current (mA)	605	62	100%					

NOISE TEST. A calibrated amplifier-detector having a substantially uniform response over the range 50-500 c.p.s. is to be connected between anode 3 and cathode. The voltage applied to the valve and stabilising resistance is to be varied slowly between 239 and 338 volts. At no point in this range is the noise input voltage to the amplifier to exceed a value of 100 millivolts R.M.S. If it is more convenient the noise test may be made in an approved circuit other than that shown in Circuit No.2, provided that cathode current is varied between the value actually obtained in clauses 'd' and 'e' above.

NOTE. Any valve which fails any of the above tests is to be run for a period of 15 mins. with a cathode current of 40 milliamps and re-tested.



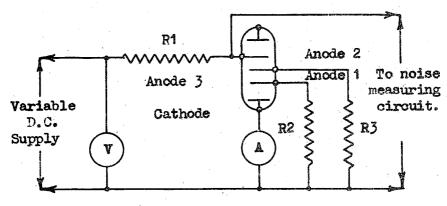
P Potentiometer

A Low Resistance Milliammeter

R1 = R2 = R3 = 250,000 ohms.

FOR OUTPUT VOLTAGE READINGS A HIGH RESISTANCE VOLTMETER IS TO BE CONNECTED BETWEEN THE POINT MARKED CATHODE AND THE APPROPRIATE ANODE.

CIRCUIT NO. 1.



V = Voltmeter

A = Low Resistance Milliammeter

R1 = 2,300 ohms.

R2 = R3 = 250,000 ohms.

CIRCUIT NO. 2.