Page 1 (No. of pages: - 2) MINISTRY OF SUPPLY D.C.D.

VALVE ELECTRONIC

CV 188

Specification MAP/CV188/Issue 6	SECURITY		
Dated 16.1.49 To be read in conjunction with	Specification	Valve	
K1001, ignoring clause: 5.2.	RESTRICTED	UNCLASSIFIED	

Indicates a change

stabilis CATHODE: Cold	stabiliser. Cold Glass - unmetal-		MARKING See K. 1001/4 PACKING See K. 1005				
RATING		Not e		BAS BA			
Max. Striking			Pin	Elect	trode		
Voltage (V) Normal Operating Voltage (V) Quiescent Current (mA) Max. Cathode Current (mA) Min. Cathode Current (mA)	140 100 4 10		1 2 3 4				
REQUIREMENT To allow the use of the valve as an indicator, the design shall be such that the glow produced by the gas discharge shall be visible at the end of the valve remote from the base.		DIMENSIONS See K. 1001/AI/D1.					
		Dimens	ion	Min.	Max.		
		A B	(mm) (mm)	-	85 33		

CV188

TESTS

To be performed in addition to those applicable in K.1001.

	Test Conditions	Test	Limi	Limits	
Test Contitutions		1050	Min.	Max.	Tested
ľes	sts shall be carried out in a ci	rcuit similar to that	shown in F	ig. 1.,	below.
B.	Increase the voltage applied to the valve until current flows.	Striking Voltage (V)	-	140	100%
	Fore the tests given below are numbered to 4 mA. for a pe		be run with	the ca	thode
ъ	Cathode current adjusted to 4mA.	Output Voltage (V)	85	100	100%
c	Cathode current changed from 10mA. to lmA.	Output vol- tage change (V)	-	5.0	100% or S
đ	Valve is to be tested for free For this purpose a calibratic substantially linear response is to be connected between the current is to be varied slowly point in this range must the amplifier exceed 100mV.	on amplifier-detector o over the range 50-50 ne anode and cathode. Ly from 10mA. to 1mA.	having a 000 c.p.s. The cathod and at no	le	100% or S
	FIG. 1.	TEST CIRCUIT			

The values of R1 and R2 will be dependant on the supply voltage available.