## ADMIRALTY SIGNAL & RADAR ESTABLISHMENT

Specification AD/CV242/Issue 6.

Dated 18.10.48.
To be read in conjunction with K1004.

Specification AD/CV242/Issue 6.

Specification AD/CV24/Issue 6.

Specification AD/CV24/Issue 6.

Specification

			→ Indice	tes a	change.			
	TYPE OF VALVE:	Ele	filled Photoctric Cell.		See K		(Also Note	Contraction of the contraction o
	CATHODE: -	or	ium on Silv approved ernative.	er,	make use desired to a great change of more failure to come on	BASI B4.		
	ENVELOPE: -	ENVELOPE: - Glass.				See K1001/AIV/D5.1.		
	PROTOTYPE:- CMG25; GS18.				DIMENSIONS See Drawing Page 3.			A A
	RATING			Note	CONNECTIONS (Also Page 3.)			
	Working Voltage	( <b>v</b> )	80-110	A	Pin	Elec	trode	and the same of th
<b>→</b>	Maximum Voltage	(V)	Wkg.Volts +10		1 2 3 4	Anode Cathode No com	nection	AND SOUTH OF THE PROPERTY OF THE PARTY OF TH
	Min. Sensitivity (µA/lumen) 75		<b>7</b> 5	:	PACKAGING See K1005.			Control and Company of State
		Section Sectio						

## NOTES

- A. The working voltage is to be selected by the manufacturer, within the limits stated, and shall be such that the conditions of the tests on Page 2 are fulfilled. It shall be a multiple of 5 and is to be clearly and permanently marked on each cell.
- B. The maximum voltage is considered to be the voltage which will never be exceeded at any time when the cell is illuminated; it is NOT to be marked on the cell.

TESTS

To be performed in addition to those applicable in K1004.

	Test Conditions		nditions					
		<b>V</b> a	Idight Flux (Lamens)	TEST	Limits		No.	Note
		(Volts)		(See Note 4)	Min.	Max.	Tested	
->	8	x	0.02	Sensitivity (mA/lumen)	75	•	100%	1,2, 3.
	р	x	Nil	Dark Current (uA)	-	0.1	100%	1,3.
<b>→</b>	C	x + 10	0.02	There must be no uncontrolled discharge.	-	•	100%	1,2, 3.
	đ.	x + 10	Nil	Dark Current (uA)	440	0.2	100%	1,3.
	6	x * 20	Nil	Dark Current (pA)	<b>6</b> 20	0.2	100%	1,3.

## NOTES

- 1. x = working voltage as defined in Note 'A', Page 1.
- 2. Light Flux is to illuminate the whole of the useful cathode area. (See drawing on Page 3.)
- 3. Test to be carried out with resistance of 100,000 ohms ± 5% connected in series with the anode circuit. All voltages in the above tests are measured across the cell and resistance in series.
- Tests are to be carried out in the order given above, and test 'd' is to follow immediately after observing test 'c'.

