

MINISTRY OF SUPPLY (S.R.D.E.)

Specification MOS/CV285/Issue 3 Dated:- 28.11.46 To be read in conjunction with K1004 ignoring clauses 2.3 and 2.5.	<table border="1"> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>Restricted</td><td>Unclassified</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	Restricted	Unclassified
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Restricted	Unclassified						

→ indicates a change

<u>TYPE OF CELL:-</u> Vacuum type photo- electric cell, double anode.		<u>MARKING</u> See K1001/4		
<u>CATHODE:-</u> Antimony-Caesium				
<u>ENVELOPE:-</u> Glass				
<u>PROTOTYPE:-</u> VA35				
<div>Min. working voltage (V) Min. sensitivity (uA/L)</div> <div>100 30</div>		<u>BASE</u> None		
		See drawing page 3.		
		<u>DIMENSIONS</u> See K1004/D1		
		<u>Dimensions</u>	<u>Min.</u>	<u>Max.</u>
		A mm	92	102
B mm	34	36		
F mm	80	86		

TESTS

To be performed in addition to those applicable in K1004

	Test Conditions	Test	Limits		No. tested
			Min.	Max.	
a	The working voltage to be applied (100V) and the cell to be shielded from all sources of light.	Dark current (uA)	-	0.1	100%
b	The cell shall be tested for sensitivity at 100V (working voltage). See Note 1.	Sensitivity (uA/L)	30	-	100%

NOTES

1. The intensity of the light flux falling on the cathode shall be 0.05 lumen.

