

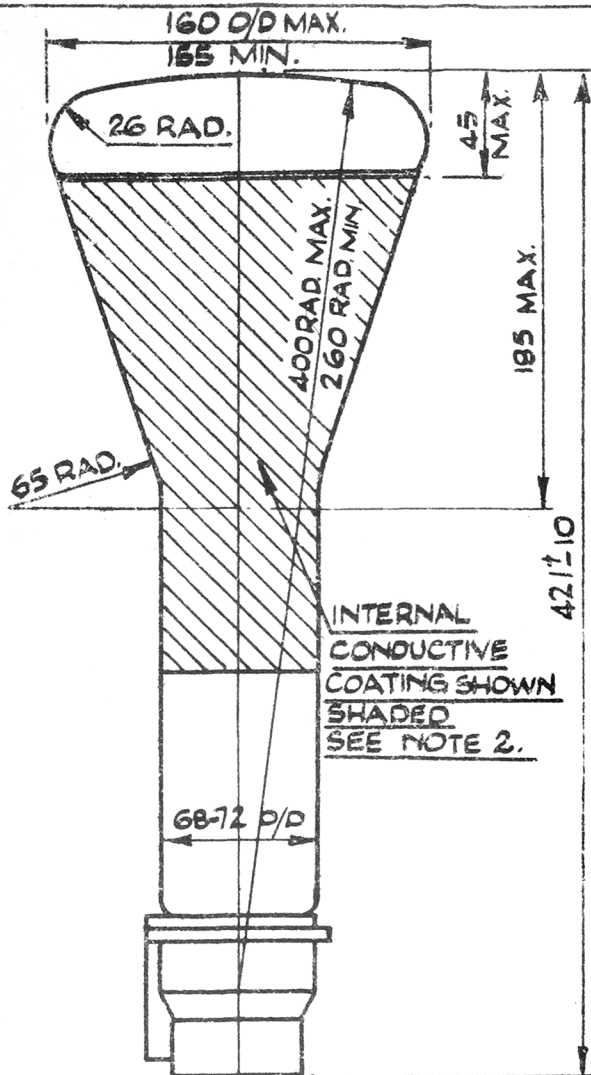
CV960/6/1

To be performed in addition to those applicable in K1003

	Test Conditions	Tests	Limits		No Tested
			Min.	Max.	
a		<u>Capacitances</u> (pf) 1. Each X and Y plate to all other electrodes 2. Grid to all other electrodes 3. Each X plate to each Y plate	-	25	6
			-	25	per
			-	3	week
FOR ALL TESTS GIVEN BELOW $V_h = 4.0V$					
b		$I_h$ (A)	0.8	1.3	100%
c	Cathode 100 volts positive to heater	<u>Heater Cathode Current</u> <u>Current</u> (uA)	-	100	100%
FOR ALL TESTS GIVEN BELOW $V_{a1} = 1.8 \text{ KV}$ , $V_{a3} = 5.0 \text{ KV}$					
d	With a raster scan of 120 mm in the X direction and 80 mm in the Y direction, or with raster of approved size, adjust $V_{a2}$ for optimum focus and $V_g$ for a light intensity of 0.15 candela.	1. $-V_g$ (V) 2. Useful screen area (mm) X direction Y direction 3. $V_{a2}$ (V)	5 120 80 700	- - - 900	100% 100% 100%
e	With a line scan of length 100 mm in the X and Y directions successively, $V_{a2}$ and $V_g$ as in "d".	Line width at centre of trace (mm)	-	0.7	100%
f	$V_g$ adjusted for cut off and $V_{a2}$ as in "d". See K1003/5.9	1. $V_g$ 2. Increase in negative value of $V_g$ compared with value noted in test d.1.	25 - -	70 30	100% 100%
g	See K1003/5.4.2. (a) $V_g -80v$ . (b) Alternative method Resistor 5 meg $\Omega$	<u>Grid Insulation</u> <u>Leakage Current</u> (uA) Increase in voltmeter reading	- - -	16 100%	100%

CV960

	Test Conditions	Tests	Limits		No. Tested
			Min.	Max.	
h		<u>Deflection Sensitivities</u>			
		1. X plates (mm/V)	$\frac{550}{Va3}$	$\frac{700}{Va3}$	10%
		2. Y plates (mm/V)	$\frac{1000}{Va3}$	$\frac{1350}{Va3}$	(10)
j	See K1003/5.10	Deviation of spot from centre of screen (mm)	-	10	100%
k		<u>Orientation of Deflection Axes</u>			
		1. Orientation of X axis of deflection relative to 00' on drawing	80°	100°	100%
		2. Angle between X and Y axes of deflection	85°	95°	100%



ALL DIMENSIONS ARE IN MILLIMETRES.

### NOTES.

1. THE TUBE WILL NORMALLY BE OPERATED WITH A3 & CONDUCTIVE COATING TIED IF A MANUFACTURER SO DESIRES THESE ELECT-RODES MAY BE STRAPPED INTERNALLY.
2. INTERNAL CONDUCTIVE COATING SHALL BE OF SUCH DIMENSIONS THAT IT FUNCTIONS EFFECTIVELY BUT DOES NOT OBSCURE THE USEFUL SCREEN AREA.
3. LOOKING AT SCREEN WITH THE TUBE POSITIONED SUCH THAT THE BASE SPIGOT IS UPPERMOST A POSITIVE VOLTAGE APPLIED TO THE TERMINAL XI SHALL DEFLECT THE SPOT TO THE LEFT & A POSITIVE VOLTAGE APPLIED TO THE TERMINAL YI SHALL DEFLECT THE SPOT UPWARDS.

