

30C9

CATHODE RAY TUBE—ALL ELECTROSTATIC 7" Dia. Indirectly heated—for measurements

			
RATING			
Heater Voltage (volts) V _h	4.0		
Heater Current (amps)	0.72		
Maximum 1st Anode Voltage (volts) Val(max	500		
Maximum 2nd Anode Voltage (volts) Va2(max			
Maximum 3rd Anode Voltage (volts) Va3(max			
Average Sensitivity of "X" plates (mm/V)	*520/V		
Average Sensitivity of "Y" plates (mm/V)	* 520/V		
* Where "V" denotes the voltage on the 3rd Anode.			
All Maximum Ratings are Absolute values not Design Centres.			
INTER-ELECTRODE CAPACITANCES			
X1 Deflecting Plate/all other electrodes (µµF) X2 Deflecting Plate/all other electrodes (µµF) Y1 Deflecting Plate/all other electrodes (µµF) Y2 Deflecting Plate/All other electrodes (µµF) X1 Deflecting Plate/X2 Deflecting Plate (µµF) Y1 Deflecting Plate/Y2 Deflecting Plate (µµF) X1+X2 Deflecting Plates/Y1+Y2 Deflecting Plates (µµF) Control Grid (Wehnelt)/All other electrodes (µµF)	Cvo all 14.0		
DIMENSIONS			
Maximum Overall Length (mm) 495 Maximum Diameter (mm) 175 Nominal Screen Diameter (inches) 7 Approximate Nett Weight (lbs) 21 Approximate Packed Weight (lbs) 111			
NOTES			
The 30.C.9 is a precision contructed instrument for applications where the accuracy of the gun contructtion employed in compass tubes is required without the provision of scales.			
The gun system is capable of providing the high beam currents when pulse modulation of the grid is required.			
For general measurement work the 30.C.9/Pl recommended. This has a screen with a medium p ence green phosphor. For special applications, the tube may be supplied with any of the stands described on the introductory page in this sect	ersist- however, ard phosphors		



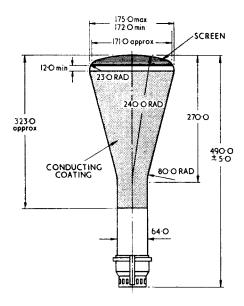
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TYPICAL OPER	ATION			
3rd Anode Vo	ltage (volts)	v_{a3}	2,200	
2nd Anode Vo	ltage-approximate for cus (volts) +	v _{a2}	440	
lst Anode Vo	ltage (volts)	v _{al}	450	
	s on Control Grid for eam Current (volts)	vg	30-90	
7	The voltage required of for focus decreases with the following the follo	th an increase e above figure		
BASE 12 con	tact Key Base	\ KEY /		
(BS.448)			
VIEW OF FREE END PERMISSIBLE ANGULAR VARIATION OF MOUNTS ± 10°				
COMNECTIONS				
Pin 1	Control Grid	2		
Pin 2	Cathode	k		
Pin 3	Heater	h		
Pin 4	Heater	h	:	
Pin 5	Anode 1	al		
Pin 6	Anode 2	82		
Pin 7	•	-		
Pin 8	Deflecting Plate 1	.S AS		
Pin 9	Deflecting Plate 1	n n		
Pin 10	Anode 3	a 3		
Pin 11	Deflecting Plate)	a xı		
Pin 12	Deflecting Plate	12 12		



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All dimensions in mm.