

A41-G4/B4



OSCILLOGRAPH TUBE

GENERAL DESCRIPTION.

Cathode ray tubes types A41-G4/B4 are of the high vacuum double electrostatic type and are, therefore, suitable for oscillographic use for investigating high or low frequency phenomena. A special electrode assembly is employed which enables the pair of plates nearer the screen to be used with a non-symmetrical deflection circuit, without introducing trapezium distortion.

The fluorescent screen is approximately 4 inches in diameter. The type A41-G4 tube gives a green image suitable for visual observation. When it is desired to make photographic records the type A41-B4 should be employed. This tube has a screen which produces a blue-violet image of high actinic value.

TECHNICAL DATA.

OPERATING CONDITIONS.

Heater Voltage (A.C. or D C)	4.0V.
Heater Current	1.0A. (approx.)
Cathode internally connected to Heater.	
Negative Grid Voltage	0-40V.
(Value adjusted to give required light intensity)	

SECOND ANODE VOLTAGE—

Maximum	1,200V.
Working Value	1,000V.

FIRST ANODE VOLTAGE—

Maximum	500V.
Working Value	400V.

DEFLECTION SENSITIVITY.

Plates nearest cathode	·39 mm/V.
Plates nearest screen (with non-symmetrical circuit)	·28 mm/V.

INTER-ELECTRODE CAPACITIES.

Grid to all other Electrodes	6.5 $\mu\mu\text{F}$.
Inter-plate Capacity D ₁ -D ₁ '	4.5 $\mu\mu\text{F}$.
Inter-plate Capacity D ₂ -D ₂ '	5.5 $\mu\mu\text{F}$.

CONNECTIONS.

Figs. 1 and 2 show the connections to the electrodes and Fig. 4 a suitable circuit for the H.T. supply unit.

NOTE.—The Deflection Plate D₂' should be connected direct to the Second Anode a₂.

PRICE £6.15.0