

E46-G10/B10



OSCILLOGRAPH TUBE

GENERAL DESCRIPTION.

Cathode ray tubes types E46-G10/B10 are of the high vacuum double electrostatic type and are, therefore, suitable for oscillographic use for investigating high or low frequency phenomena.

The fluorescent screen is approximately 10 inches in diameter. The type E46-G10 tube gives a green image suitable for visual observation. When it is desired to make photographic records the type E46-B10 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.)	..	..	..	4.0 V.
Heater Current	..	..	..	1.0 A. (approx.)
Cathode internally connected to Heater.				
Negative Grid Voltage	..	..	..	0-60 V.
(Value adjusted to give required light intensity)				

THIRD ANODE VOLTAGE—

Maximum	..	..	..	5,000 V.
Working Value	..	..	..	4,000-5,000 V.

SECOND ANODE VOLTAGE—

Maximum	..	..	..	1,700 V.
Working Value	..	..	..	1,100-1,400 V.

FIRST ANODE VOLTAGE—

Maximum	..	..	..	250 V.
Working Value	..	..	..	250 V.

DEFLECTION SENSITIVITY.

Plates nearest cathode	..	..	..	..	·16-·13 mm/V.
Plates nearest screen	..	..	..	..	·14-·11 mm/V.

INTER-ELECTRODE CAPACITIES.

Grid to all other Electrodes	..	..	..	15.0 μ F.
Inter-plate Capacity D1-D1'	..	..	..	5.5 μ F.
Inter-plate Capacity D2-D2'	..	..	..	6.5 μ F.

CONNECTIONS.

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

PRICE £12.12.0