

# E41-G4/B4



# OSCILLOGRAPH TUBE

## GENERAL DESCRIPTION.

Cathode ray tube types E41-G4/B4 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 4 inches in diameter. The type E41-G4 tube gives a green image suitable for visual observation. When it is desired to make photographic records the type E41-B4 should be employed. This tube has a screen which produces a blue-violet image or 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 ..	..	..	..	..	..	.28 mm/V.

### INTER-ELECTRODE CAPACITIES.

Grid to all other Electrodes ..	..	..	..	..	..	6.5 $\mu$ F.
Inter-plate Capacity D1-D1' ..	..	..	..	..	..	4.5 $\mu$ F.
Inter-plate Capacity D2-D2' ..	..	..	..	..	..	5.5 $\mu$ 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 £6.15.0