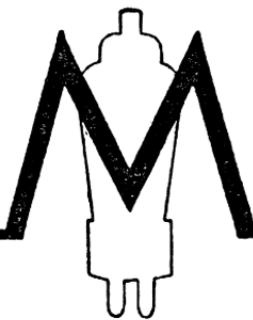


# 4002-4002A



# OSCILLOGRAPH TUBE

## GENERAL DESCRIPTION.

Cathode ray tubes types 4002 and 4002A 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 4002 tube gives a green image suitable for visual observation. When it is desired to make photographic records the type 4002A 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	..	..	..	..	0-45 V.
(Value adjusted to give required light intensity)					

### SECOND ANODE VOLTAGE—

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

### FIRST ANODE VOLTAGE—

Maximum	..	..	..	..	600 V.
Working Value	..	..	..	..	200 V.

### DEFLECTION SENSITIVITY.

Plates nearest cathode	..	..	..	..	.49 mm/V.
Plates nearest screen	..	..	..	..	.39 mm/V.

### INTER-ELECTRODE CAPACITIES.

Grid to all other Electrodes	..	..	..	..	10 $\mu\mu\text{F}$ .
Inter-plate Capacity D <sub>1</sub> -D <sub>1</sub> '	..	..	..	..	2 $\mu\mu\text{F}$ .
Inter-plate Capacity D <sub>2</sub> -D <sub>2</sub> '	..	..	..	..	2 $\mu\mu\text{F}$ .

### CONNECTIONS.

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

# PRICE £6 . 15 . 0