# FERRANTI RADAR TUBE

A 12in. diameter flat faced Radar Display Tube primarily designed for P.P.I. applications. Replacement type.*

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<th>FOCUS</th>
<th>Magnetic.</th>
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<td>DEFLECTION</td>
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## SCREEN.

- Phosphor: Type H.
- Fluorescence: Orange.
- Afterglow: Orange.
- Persistence: Very Long.

## PHYSICAL DETAILS.

- Base: International Octal.
- Anode Cap: CT1
- Max. Overall Length: 495 mm.
- Neck Diameter: 35 mm. nominal.
- For other dimensions see drawing.

## BASE CONNECTIONS.


## HEATER.

- Heater Voltage: 6.3 volts.
- Heater Current: 0.3 amp.

## RATINGS.

- Max. 1st Anode Voltage: 850 volts.
- Max. 2nd Anode Voltage: 15.0 kV.
- Min. 1st Anode Voltage: 600 volts.
- Min. 2nd Anode Voltage: 10.0 kV.
- Max. Cathode Current: 150 µA.
- Max. Vn-k: 200 volts.
- Max. Rn-k: 1-0 MΩ.
- Max. Rg-k: 1.5 MΩ.

## CAPACITANCES.

- Ck-all: <8 pF.
- Cg-all: <8 pF.

## TYPICAL OPERATING CONDITIONS.

- 1st Anode Voltage: 800 volts.
- 2nd Anode Voltage: 10 kV.
- Vg for visual cut off: -80 volts.
- Av. Mod. Drive for 50 µA. Beam Current: 20 volts.
- †Focus Coil: 640 amp. turns (approx.).

*This tube is equivalent to CV1869 or CV2328.
†Positioned so that the centre of the gap is approx. 98 mms. from the reference line (36mm. Ring Gauge Position).

FERRANTI LIMITED, GEM MILL, CHADDERTON, OLDHAM, LANCS.