

# FERRANTI

UNIVERSAL  
OUTPUT PENTODE  
TYPE PTA  
PRICE 18/6



MADE BY

FERRANTI LTD.  
RADIO WORKS,  
MOSTON, MANCHESTER 10

This valve has been thoroughly tested before leaving the works, and no responsibility can be accepted if it is used under conditions other than those stated.

If it is found necessary to have the valve tested or replaced it should be returned through your dealer or supplier, quoting type of valve and date of purchase. If returned direct to makers it will be accepted only on the following conditions.

1. That it is forwarded at sender's risk and expense.
2. If for inspection, it becomes necessary to break up the valve, FERRANTI LTD. are at liberty to do so, without obligation to return or replace it.

THE FERRANTI TYPE PTA UNIVERSAL OUTPUT PENTODE VALVE is one of the range of high-grade valves developed as a result of much research and close collaboration between the FERRANTI Valve and Radio Laboratories, thus ensuring that its practical application to modern Radio has had the utmost consideration.

The use of the most modern methods and plant in the FERRANTI Valve Works has resulted in valves whose robustness of construction and uniformity of characteristics are not surpassed, whilst their size is as small as present-day conditions require and is less than that of most other makes of corresponding type.

## NOTICE

THIS VALVE MUST NOT BE RESOLD OR OFFERED FOR SALE AT ANY PRICE LOWER THAN THAT STATED IN THIS LIST, AND ITS SALE IS SUBJECT TO THE STANDARD B.V.A. CONDITIONS.

## CHARACTERISTICS OF THE UNIVERSAL TYPE PTA OUTPUT PENTODE

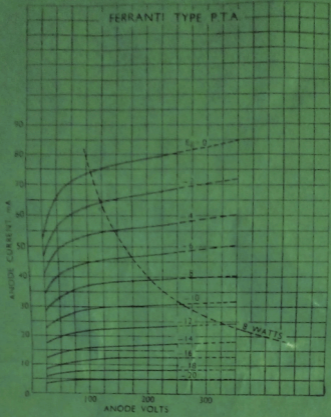
Heater Volts	...	...	...	13.0
Heater Amps.	...	...	...	0.3
Max. Anode Volts	...	...	...	250
Max. screen Volts...	...	...	...	250
Mutual Conductance	...	...	...	4.0 mA./volt
At $E_a = 100$ $E_s = 100$ $E_g = 0$				
Max. Anode Dissipation	...	...	...	8.0 watts
Optimum Load	...	...	...	6,500 ohms

The FERRANTI Universal Output pentode type PTA is especially suitable for car receivers but can be used in universal A.C./D.C. sets utilising 0.3 amp. valves.

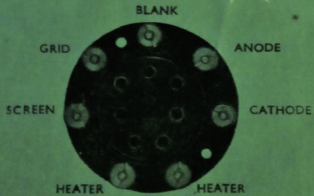
It has a high order of sensitivity but for full loading should be preceded by a valve such as the FERRANTI type HAD double-diode-triode and to which it may be coupled by means of resistance coupling.

It is recommended that the usual resistance condenser filter be connected across the primary winding of the output transformer or across the output choke utilised in the anode circuit, in order to prevent increase of load impedance with increase in frequency. Suitable values are 10,000 ohms and 0.01 mfd.

FERRANTI TYPE PTA



BASE CONNECTIONS OF PTA



Looking on top of a FERRANTI 7-pin Valve Holder (2/9).