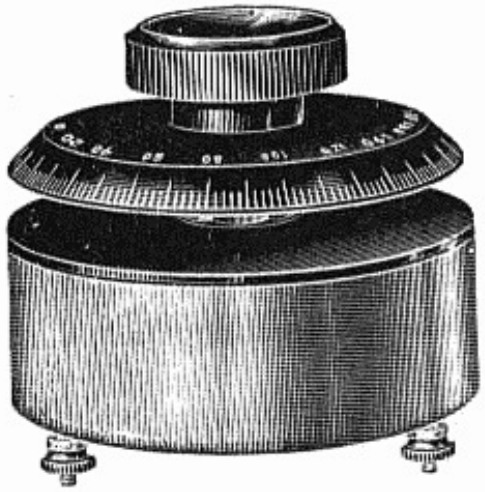
VARIABLE CONDENSERS

Designed and Manufactured by
PETER CURTIS, LTD.,
LONDON, ENGLAND.

CURTIS
VARIABLE MICA CONDENSER.



A scientific instrument of robust construction and maximum efficiency.

The Curtis Variable Condenser is a multi-plate variable condenser designed on an entirely new principle.

A "LOW LOSS" CONDENSER
of
MAXIMUM RADIO EFFICIENCY

The Curtis Variable Condenser was originally designed for use in Super High-Frequency circuits, so as to eliminate the blanketing effect caused by the juxtaposition of a great mass of metal (such as that of an orthodox multiple plate condenser) to the high-frequency wires and components in the vicinity thereof.

It would be idle to deny that there is a very considerable difference between a simple straight circuit, such as a detector and one or two note magnifiers, and, say, a super-regenerative or a multiple high-frequency circuit, where the lay of the High-Frequency connecting wires, the position of the components, and sometimes even the angle thereof, make all the difference to the efficient receptivity of the circuit.

If such is so—and it is so—then the use of an exposed multi-plate condenser of orthodox design in a super-regenerative or High-Frequency circuit is a mere temporary and inefficient expedient. **The metal cup enclosing the Curtis Variable Condenser, which is electrically insulated from the condenser, acts as a protecting shield, and thus eliminates all stray and inter-action capacity influences between the condenser and the wires and components in juxtaposition thereto.**

The design of the Curtis Variable Condenser is such as to guarantee not only an extremely low minimum, **but an extremely low minimum combined with an extremely high maximum,** the

intermediate readings being a true and a definitely progressive straight line curve, as is clearly indicated in the calibration curve given.

The definitely progressive straight line tuning of the Curtis Variable Condenser, combined with the perfectly balanced mechanical movement, **eliminates the need for additional Vernier adjustment.**

The design, method of construction and the mica di-electric used in the Curtis Variable Condenser, together combine to **guarantee a definite capacity characteristic at any given point,** irrespective of atmospherical or other externally varying conditions.

The Curtis Variable Condenser is of robust construction and is, therefore, immune from mechanical damage or defects likely to develop from usage.

Every Curtis Variable Condenser is fitted with an earthing shield. **This eliminates all hand capacity effects.**

In the Curtis Variable Condenser each terminal is connected immaterial as to which terminal is "earthed" when connected both to a set of moving and fixed vanes. **It is, therefore, immaterial which terminal is "earthed" when connected in circuit.**

The Curtis Variable Condenser is essential for perfect reception and indispensable for super-regenerative, multi high-frequency and super-sonic circuits.

Highly polished brass finish, heavily lacquered. Single-hole panel fixing.

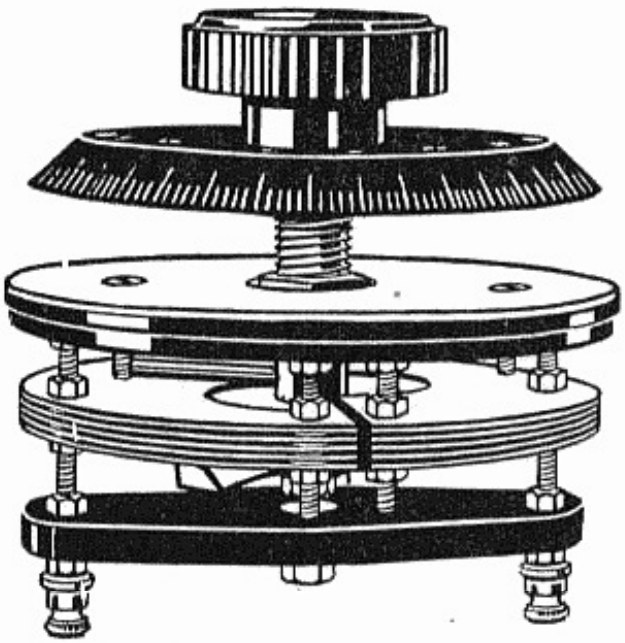
Standard capacities :

Microfarads

·00025, ·0003, ·0005 and ·001.

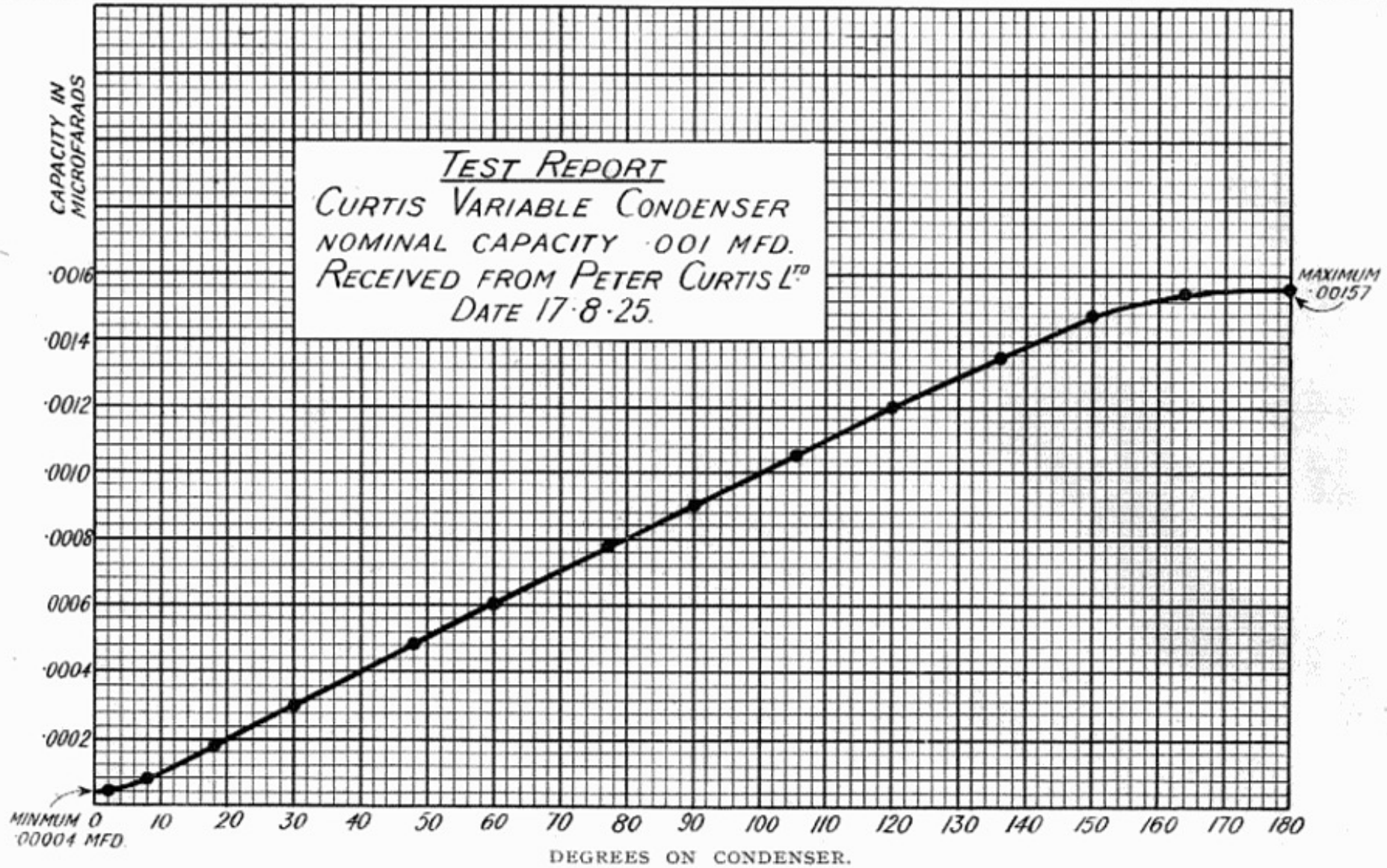
PRICE :

12/6 each.



Curtis Variable Mica Condenser

SECTIONAL VIEW.



CALIBRATION CURVE OF THE CURTIS VARIABLE MICA CONDENSER.
Standard ·001 Mfd. Capacity.