Geloso 421 Capacitance Meter

Oscillatore a Battimento per Misure di Capacità Tipo 421

The type 421 beating oscillator was intended for measuring low values of capacitance, up to 1.300pF over two ranges, ‘Low’ and ‘High’.

The principle of operation was the beating between two RF oscillators, one of which operating as reference and the second one connected to the unknown capacitance. The frequency of the first oscillator was varied until zero beat was reached and the capacitance value was read on the graduated dial of the variable capacitor. Both a speaker and a magic eye were used to better appreciate the beat.

7 tubes: 6J7G 6C5G 6K8G 6C5G 6V6 5Y3 EM4