



Smithsonian Institution

Smithsonian National Air and Space Museum Archives

Technology Review, November 1961

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A FUNDAMENTAL INSTRUMENT

...useful for measurements ranging from interelectrode capacitance of semiconductors to impedance of transformers weighing several tons.

[[image]]

- * Wide Range-0.001 to 10 M, 1 pf to 1000 f, 1 h to 1000 h; 0.02 to 1000 for Q at 1 kc, 0.001 to 50 for D at 1 kc.
- * Patented ORTHONULL* feature eliminates "sliding balance" - enables easy measurement of low-Q inductors and high-D capacitors.
- * C, R, and L measurement accuracy within $\pm 1\%$ ($\pm 5\%$ for D and Q); accuracy holds over all ranges - not reduced at range extremes.
- * Unique "flip-tilt" cabinet serves as adjustable stand and doubles as protective carrying case.
- * Panel controls designed for operator convenience - switching arrangement and panel engraving make bridge operation self-explanatory.
- * Battery operator - completely self-contained; built-in transistorized 1-kc oscillator and null detector; single null indicating meter for both a-c and d-c measurements.

Type 1650-A Impedance Bridge...\$450

*U.S. Patent No. 2,872,639

Proven Accuracy * Day-In, Day-Out Dependability
Completely Self Contained * Convenient Operation

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