Wayne Kerr CORPORATION
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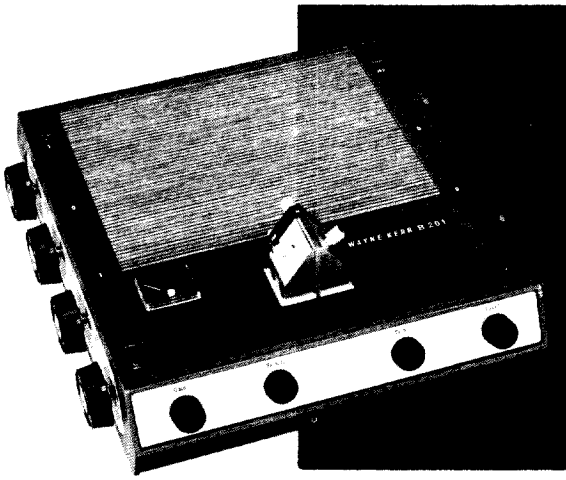
Innovations in Instrumentation ■ Measurement ■ Analysis ■ Synthesis ■ Control

B201 C/R Bridge



World's Most Accurate
100kHz-1MHz
Capacitance — Conductance Bridge
— 0.1% Accuracy

Designed for highly precise, simultaneous in-circuit measurement of capacitance and conductance over an extremely wide range — from 0.001pF-10.000pF and from 0.01μMHo-100Mho — the B201 Bridge is invaluable for checking capacitors and components of printed circuits and/or encapsulated assemblies. The extremely wide measurement range is covered by the combined use of a 3-position multiplier switch, alternative connections for the Unknown, and optional Low Admittance Adaptor.

A four-figure digital readout provides excellent discrimination enabling the B201 to be used for the observance of minute changes in component values or alterations in the constants of lines, filters, aerials, equalizing circuits and a variety of passive 2- or 3-terminal networks.

Accuracy of measurement is generally 0.1% (see Specifications).

The Bridge is invaluable for checking capacitors to the latest DEF Specifications, and components forming part of printed-circuit or encapsulated assemblies can often be measured *in situ*. A Level control simplifies evaluation of the parameters of non-linear devices such as semiconductors.

An all-solid state design, the B201 is portable and completely self-contained with battery and rectifier unit housed internally.

▶

SPECIFICATIONS

Measurement ranges:

0.0001pF — 0.1μF, 0.001μMho — 1Mho (1Ω — 1000MΩ) in six ranges, including Low Admittance Adaptor LY201.

Frequency range:

100kHz — 1MHz (plug-in Source and Detector units for 100kHz — 1MHz). Dummy plug-ins are provided for use with external sources and detectors (such as Wayne Kerr SR268) to provide frequency coverage from 100kHz — 5MHz.

Accuracy: (100KHz — 1MHz)

$\pm$0.1% $\pm$ 1 minor division (4th significant figure): 1pF — 0.01μF, 10μMho — 100mMho; $\pm$0.5% $\pm$ 1 minor division: 0.1pF — 1pF* and 0.01μF — 0.1μF, 1μMho — 10μMho* and 100mMho — 1Mho (1 — 3Mc/s) As above, multiplied by (frequency in Mc/s)^2

Discrimination:

$\pm$1 minor division or better

Dimensions:

Bridge 13½ x 12½ x 5¼ in. 12 lb. (34 x 32 x 13 cm.) (5.5kg)
Wooden case 17¾ x 15¾ x 5⅞ in. 14 lb. (45 x 40 x 15 cm.) (6.4kg)

Total Weight:

27 lb. (12.3kg). This is Bridge, Case, 100kc/s and 1Mc/s Sources and Detectors, and Dummy plug-in units for external Source and Detector.

*Coverage provided by Low Admittance Adaptor LY201.

Optional Extra: Range extension on C and G vernier dials and null search switch. Modification designation, MOD312.

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