Type 160 To receive a calibration and/or repair quote-RMA from R.A.E. Services Inc. Click here>> www.raeservices.com/services/quote.htm

measures C, R, L, and G with digital readout

a Impedance measuring

- ±0.05% accuracy
- 20 Hz to 20 kHz (external generator)
- internal 1-kHz oscillator and detector
- measures impedance of any phase-angle
- accurate D and Q readings



This wide-range bridge will measure precision components to an accuracy of 0.05% — capacitance, inductance, and ac as well as dc resistance and conductance. An almost error-free readout and rapid-balance adjustments allow accurate and fast laboratory or production tests. Six bridge circuits cover all possible phase angles so that any network can be measured, even such "black boxes" as filters, transducers, and equalizers.

In ac resistance and conductance measurements, a Q adjustment for precise balancing gives phase information useful in predicting high-frequency behavior. This capability is also useful for measuring lossy reactances, such as rf chokes, without a sliding null. The high phase precision of ± 0.0005 radian makes D or Q measurements meaningful on low-loss reactances, which must often have tight D or Q tolerances for use in precision networks

It will measure resistors at EIA-specified dc voltages, three-terminal capacitors and small capacitors remotely located, voltage-biased capacitors or current-biased inductors and resistors. Almost any impedance is measurable over the audio-frequency range.

The ability to measure small capacitances by a threeterminal connection makes possible the measurement of the capacitance between components, wires, or mounting structures. Long, shielded cables can be used without significantly affecting the accuracy of the measurement.

For production testing of components, a test jig, Type 1650-P1, is available.

DESCRIPTION

tight D or Q tolerances for use in precision networks. NIST, ISO, IEC, ANSI, NCSL, MIL-STD by www.raeservices.com^{urces} and detectors. The

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