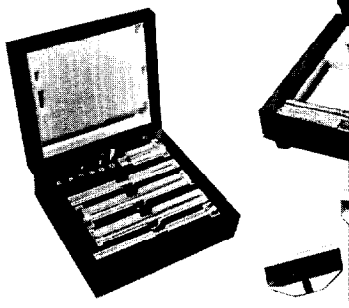
Wayne Kerr CORPORATION
22 Frink Street, Montclair, New Jersey 07042 • (201) 746-2438

Innovations in Instrumentation ■ Measurement ■ Analysis ■ Synthesis ■ Control

BRIDGE STANDARDS—Types Q561 and Q761



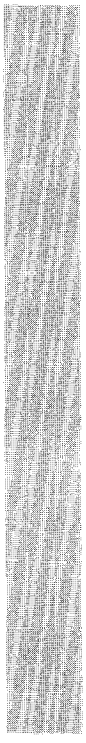
- Improve Accuracy of B801 and B901 Bridges.
- Absolute values, known over broad range of frequencies.
- Excellent long-term stability, low temperature coefficient, unaffected by humidity.
- Compatible termination designed for use with B-801 and B-901 bridges.

These standards have been designed for checking the readings of positive and negative susceptance and conductance on Admittance Bridges Types B-801 and B-901. The predictable frequency characteristics of the standards enable the bridge frequency errors, slight though they are, to be considerably reduced.

The conductance standards are in the form of high-stability resistors, which are fitted in special holders for attachment to the bridge.

The susceptance standards are in the form of coaxial attachments for Bridge B-901 and capacitor blocks for Bridge B-801.

SPECIFICATIONS



TYPE Q-561. For use with Bridge Type B-901 (50MC-250MC).
Conductance standards of 50, 20, 14.3, 10 and 5 mmhos are achieved by fitting high stability resistors of appropriate value into a special holder attached to the bridge output. The connection arrangements ensure repeatable and stable readings.

Susceptance standards: Coaxial attachments give positive susceptance equivalent to 21.8 $\mu\mu$F at 50 MC rising to 28.0 $\mu\mu$F at 250 MC, and negative susceptance equivalent to −70 $\mu\mu$F at 100 MC falling to −9 $\mu\mu$F at 250 MC.

In both cases calibration charts are provided relating bridge readings to frequency. $260.00

TYPE Q-761. For use with Bridge Type B-801 (1MC-100MC).
Conductance standards are of the same value as above but are used in a different type of holder designed to fit the bridge terminal block.

Positive susceptance standards: 100 $\mu\mu$F and 30 $\mu\mu$F blocks designed to fit the terminals. Negative susceptance standard: 0.5 μH inductance equivalent to 5 $\mu\mu$F at 100 MC., rising to 200 $\mu\mu$F at 15 MC. Calibration charts are provided as for the Q561. $200.00

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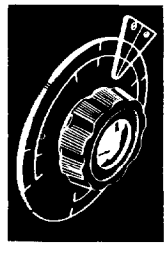

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