

1659 Digibridge RLC Testers

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The GenRad 1659 Digibridge RLC Tester is an easily programmable, microprocessor-based high performance passive component tester. It automatically identifies the type of component under test and measures in the proper range. The result is simple, precise, unambiguous RLC component testing.



The 1659 RLC Digibridge is an instrument for measuring primary parameters of inductance (L), capacitance (C) and resistance (R) and secondary parameters of dissipation factor (D) and quality factor (Q). QuadTech designed this single compact unit with maximum flexibility and operator convenience in mind.

The simple front panel design of the Digibridge requires less effort to operate. Digital display and user friendly control allows test parameters and limits to be set easily.

Programmable test limits and automatic binning give the 1659 its remarkable capability. Programming test limits is as simple as pushing a few buttons in an easily understood sequence. Once set, the operator works in an automatic binning mode designed to replace guesswork with consistent throughput. The GenRad 1659 is ideal for incoming inspection because it satisfies a wide range of testing requirements.

FEATURES:

- Easy to Use
- Accuracy of 0.1% for RLC measurements
- Four test frequencies of 100Hz, 120Hz, 1kHz and 10kHz
- A choice of three test speeds: 2, 4, or 8 measurements per second to complement automatic handling equipment and maximize throughput.
- A choice of two measurement modes: Continuous or Triggered (single measurement or average of 10) ensures measurement flexibility.
- A full, five-digit LED display for RLC measurements and a four-digit readout for D and Q testing, simultaneously display both test results for each measurement, automatically.
- A built-in test fixture for fast setup and ease-of-use when testing axial and radial lead components.
- Guarded Kelvin measurement techniques protect measurement integrity.
- Automatic self-test and diagnostic check maintains reliable, error-free operation.
- Automatic limit comparison and binning ensure fast, mistake-proof sorting of components.
- Optional IEEE-488 Bus and Handler Interface enable remote programming and allow the addition of a component handler to optimize throughput.



