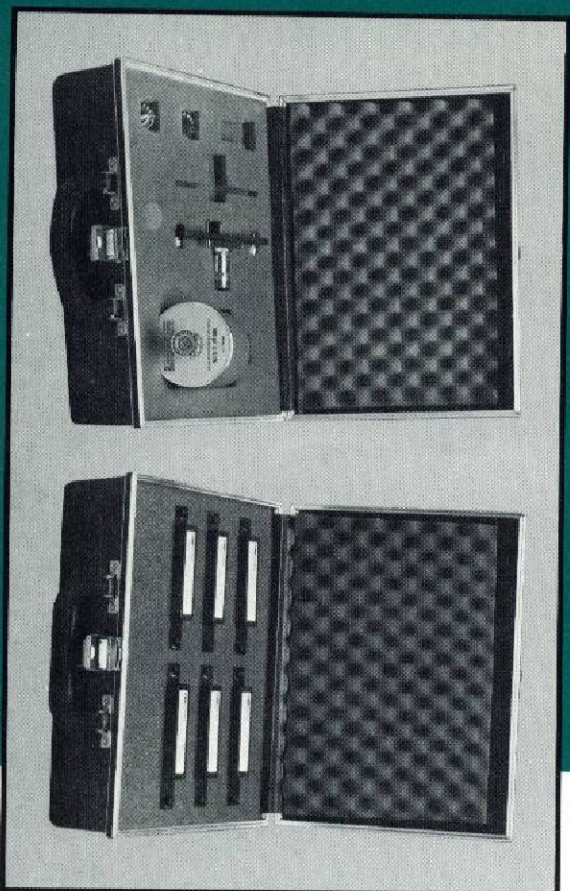


DIGIBRIDGE CALIBRATION KITS

Calibration Kits for Maintaining Your Instrument Accuracy

- ☐ 1687-9605 Calibration Kit
- ☐ 1689-9604 Calibration Kit



GenRad 1687-9605 and 1689-9604 Calibration Kits

Two self-contained GenRad calibration kits are offered for the GenRad Digibridge family of automatic RLC testers. With them, accuracy and reliability of testers can be maintained with minimum effort.

These kits provide complete, reliable, accurate recalibration for the 1689, 1689M, and the 1687-B. With these kits, total instrument recalibration is accomplished within minutes. The standards used in these kits are NBS traceable.

1687-9605 Calibration Kit. The 1687-9605 Calibration Kit is used to recalibrate the 1687-B 1-Megahertz LC Digibridge.

The kit consists of a GenRad 900 Reference Standard Adaptor, a precision open circuit termination, a precision short circuit termination, a GenRad 1406 100 pF Coaxial Capacitance Standard, and a certificate of

calibration.

A sturdy, convenient GenRad carrying case protects the kit in storage and travel.

1689-9604 Calibration Kit. The 1689-9604 Calibration Kit is used to recalibrate the 1689 and 1689M.

The kit consists of four resistors, a precision open circuit, and a precision short circuit. A calibration chart is provided with the recorded R and Q of each resistor.

A sturdy, convenient carrying case protects the kit in storage and travel.

SPECIFICATIONS

NOMINAL VALUES: R1, 95.3 k Ω ; R2, 5.97 k Ω ; R3, 374 Ω ; R4, 24.9 Ω .

ACCURACY: 0.1% of nominal value.

STABILITY: Better than 25 ppm per year.

TEMPERATURE COEFFICIENT: 2 ppm/ $^{\circ}$ C.

CALIBRATION ACCURACY: These resistors are compared with a precision of 5 ppm to working standards whose absolute values are known to 10 ppm, as determined from reference standards periodically measured by the National Bureau of Standards. The 1 kHz Q values are in parts-per-million and are based on the D values of GenRad 1404

capacitors, which have been shown to be less than 5 ppm, and the assumption that the difference between the inductance of a low-valued composition resistor and a wire of the same geometry is negligible. These Q values should be within 25 ppm at 1 kHz. All calibrations are made at 23 $^{\circ}$ \pm 2 $^{\circ}$ C. The standards plug directly into the internal fixture of the 1689. The 1689M requires a 1689-9600 or a 1689-9605 remote fixture.

ORDERING INFORMATION

Description	Order No.
1687 Calibration Kit	1687-9605
1689 Calibration Kit	1689-9604



IET LABS, INC. In the GenRad Tradition
534 Main Street, Westbury, NY 11590

TEL: (516) 334-5959 • (800) 899-8438 • FAX: (516) 334-5988

www.ietslabs.com