

16095A Probe Test Fixture**Terminal Connector:** 4-Terminal Pair, BNC**Cable Length (approx.):** 1 m**Weight (approx.):** 480 g**Additional Error:**

Stay Capacitance	$\leq 15 \text{ pF}$
Residual Inductance	$\leq 40 \text{ nH}$
Residual Resistance	$\leq 100 \text{ m}\Omega$

Description: This impedance probe kit is designed for use with the 4192A, but can be used with other 4-Terminal Pair LCR meters and Impedance analyzers as long as the ground lead of the probe is not connected to the instrument's ground terminal. DUTs can be connected by either using the standard probe, the alligator clip adapter or the BNC adapter. The standard probe is best for in-circuit, board-mounted components. The alligator clip is for components too large for the standard probe tip. The BNC adapter is used to connect circuits or networks equipped with BNC connectors.

Applicable Instruments: 4263B, 4268A, 4279A, 4284A, 4285A, 4288A, (4192A, 4263A, 4278A)*

* denotes the instrument is obsolete.

Frequency: DC to 13 MHz

Maximum Voltage: $\pm 35 \text{ V}$ peak max (AC+DC)

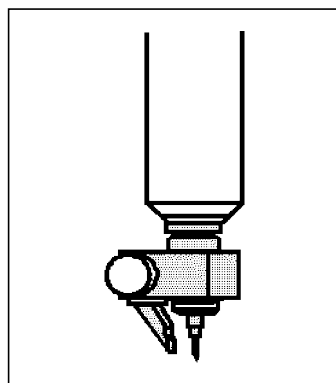
Operating Temperature: 0°C to 55°C

Furnished Accessories:

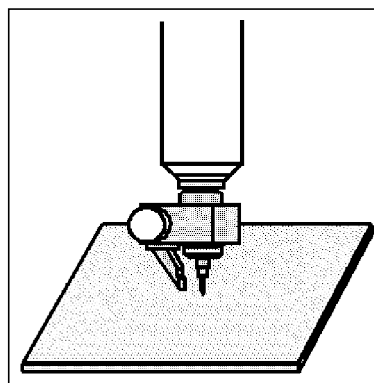
Description	P/N	Qty.
Center Pins for Probe	16095-60012	10
Alligator Clip for Ground (1 ea.)	16095-61611	1
BNC (m) Adapter (1 ea.)	16095-60011	1
Alligator Clip Adapter (1 ea.)	16095-61612	1
Operating Note	16095-90001	1

P/N 16095-65001 ground pins (5ea.) are also available (not furnished).

Compensation and Measurement: Cable length and open and short compensations are recommended before measurement. First, set the instrument's cable length compensation function to 1 m. Short compensation is performed by shorting the probe. To short the probe it is recommended to use a shorting device with gold-plated surfacing (which provides stable contact resistance). The following figures show how compensation is performed.



Open compensation



Short compensation