

## 16117B Low Noise Test Leads



### Terminal Connector:

Type	Connector
Input	Triaxial (special screw-type)
Output	High Voltage BNC (special type)
Control	Interlock connector*

\* Interlock connector enables and disables the application of source voltage from the measurement instrument.

**DUT Connection:** 2-Terminal (with triaxial cable)

**Cable Length (approx.):** 1 m (connector to clips)

**Weight (approx.):** 280 g

**Description:** The 16117B is designed to operate specifically with 4339B. With Option 16117B-003 wide jaw clips, it is capable of holding DUTs with large terminals. The clips can be replaced with probes (Option 16117B-001) for measurements of small DUTs such as PC boards or IC sockets. Option 16117B-002 enables the construction of simple custom-made test leads. Electrical noise effects are reduced by the employment of shielded-cables. A built-in interlocking circuit enables safe high-voltage measurements.

**Applicable Instruments:** 4339B

**Frequency:** DC

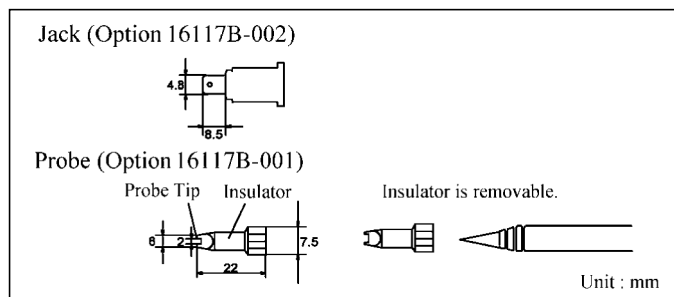
**Maximum Voltage:** 1000 V

**Maximum Current:** 0.5 mA

**Resistance Measurement Range:**  $1 \times 10^3$  to  $1 \times 10^{11} \Omega$

**Operating Temperature:** 0°C to 55°C

**DUT Size:** For clips (Opt. 16117B-003), lead diameter  $\leq 30$  mm  
For probes and sockets, see figure below:



### Furnished Accessories:

Description	P/N	Qty.
Operation and Service Manual	16117-90060	1

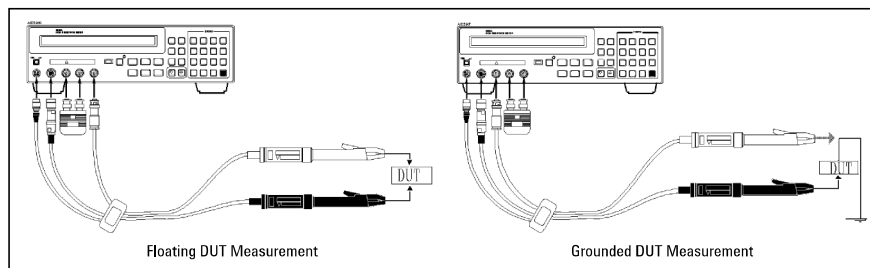
### Options:

16117B-001: Add Pin Probes (2 ea.)

16117B-002: Add Soldering Sockets (2 ea.)

16117B-003: Add Alligator Clips (2 ea.)

**Compensation and Measurement:** Open compensation is recommended before measurement. Separate the test clips (or probes) from each other. After performing open compensation, the DUT is connected to the clips (or probes). The DUT can be measured in two configurations: floating and grounded. The connections are shown in the figure below:



Floating and grounded DUT measurement

### Note:

Part number corresponding to Probe/Socket/Clip is as follows:

#### Pin Probes:

8710-2301 (Black),

8710-2302 (Red)

#### Soldering Socket:

1200-1903 (Black),

1200-1904 (Red)

#### Alligator Clip:

8710-2404 (Black),

8710-2405 (Red)