

### 16065A 200Vdc External Voltage Bias Fixture



**Terminal Connector:** 4-Terminal Pair, BNC

**DUT Connection:** 4-Terminal

**External Bias Input connector:** High Voltage BNC(f)

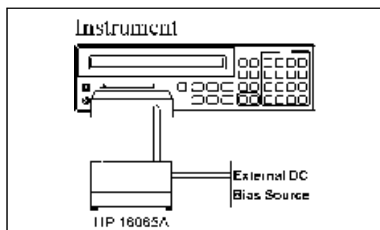
**Dimensions (approx.):** 180(W) x 120(H) x 200(D) [mm]

**Cable Length (approx.):** 40 cm

**Weight (approx.):** 1500 g



High Voltage BNC(f) connector for external bias input  
BNC(f) connector for voltage monitor output



LCR meter with 16065A

### 16065C 40Vdc External Voltage Bias Adapter



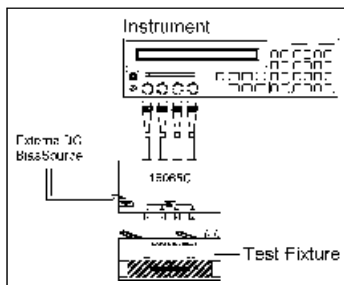
**Terminal Connector:** 4-Terminal Pair, BNC

**External Bias Input connector:** BNC(f)

**Dimensions (approx.):** 160(W) x 50(H) x 150(D) [mm]

**Cable Length (approx.):** 210 mm

**Weight (approx.):** 450 g



LCR meter with 16065C

**Description:** This test fixture makes it possible to measure a DUT with up to  $\pm 200$  V DC bias. The same modules of 16047A/D can be used to allow measurements of axial/radial lead components.

**Applicable Instruments:** 4263B, 4268A, 4279A, 4284A, 4285A, 4288A, 4294A, (4192A, 4194A, 4263A, 4278A)\*

\* denotes the instrument is obsolete.

**Frequency:** 50 Hz to 2 MHz

**Maximum Voltage:**  $\pm 200$  V peak max (AC+DC)

Blocking Capacitor of 5.6  $\mu$ F is connected in series with the Hc terminal.

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

**DUT Size:** See the 16047A figure with module sizes.

**Furnished Accessories:**

Description	P/N	Qty.
Module For Axial Lead	16061-70022	1
Module For Radial Lead mounting on fixture	16061-70021	1
Module For Short Radial Lead	16047-65001	1
Operating Note	16065-90010	1

**Compensation and Measurement:** Open, short and load compensations are recommended before measurement. Short compensation is performed by shorting the contacts of the test fixture with a shorting plate as described for 16047A. Load compensation is performed by inserting a known standard device. After performing open, short and load compensations, the DUT is connected to the test fixture.

**Description:** This adapter is designed to operate specifically with the 4263B, 4268A and the 4288A. By connecting an external DC voltage source to this adapter, a bias voltage of up to  $\pm 40$  V can be supplied to a DUT. The DUT can be inserted by connecting any direct attachment 4-Terminal Pair test fixture to the adapter.

**Applicable Instruments:** 4263A\*/B, 4268A, 4278A\*, 4288A

**Frequency:** 50 Hz to 1 MHz

**Maximum Voltage:**  $\pm 40$  V peak max (AC+DC)

Blocking Capacitor of 50  $\mu$ F is connected in series with the Hc terminal.

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

**Applicable Fixtures:** 16034E/G/H, 16044A, 16047A/D/E, 16048A/B/D/E, 16089A/B/C/D/E

**Furnished Accessories:**

Description	P/N	Qty.
Operation and Service Manual	16065-90020	1

**Compensation and Measurement:** Open and short compensations are recommended before measurement. Short compensation is performed by shorting the contacts of the test fixture that is in use. After performing open and short compensations, the DUT is connected to the test fixture.