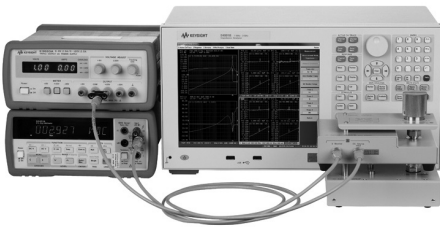


Up to 3 GHz (7 mm): DC Bias Accessories

16200B external DC bias adapter



Terminal connector: 7 mm
 DC BIAS input connector: BNC(f)
 Voltage monitor connector: BNC(f)
 Dimensions (approx.):
 170 (W) x 70 (H) x 130 (D) [mm]
 Weight (approx.): 900 g



Connection example

Description: This test fixture is designed to measure a DUT with DC bias. By connecting an external DC current source to the 16200B, it can supply a bias current across the DUT of up to ± 5 Adc through a 7 mm port.

Applicable instruments: E4982A, E4990A + 42942A*, E4991B, E5061B-3L3/3L4/3L5 with Opt. 005 + 16201A

* Option E4990A-120 is required

Frequency: 1 MHz to 1 GHz

DC bias: Up to 5A, 40 V (Input)

Operating temperature: 0 to 55°C

Applicable fixtures: 16192A, 16194A, 16196A/B/C/D, 16197A, 16092A

Furnished accessories:

Description	P/N	Qty.
Operation and service manual	13200-90011	1

16200B-001 Shorting device set

Size	P/N	Qty.
0.6 x 0.3 x 0.3 (mm)	16197-29001	2
1 x 0.5 x 0.5 (mm)	16191-29005	2
1.6 x 0.8 x 0.8 (mm)	16191-29006	2
2.0 x 1.2 x 0.8 (mm)	16191-29007	2
3.2 x 1.6 x 0.8 (mm)	16191-29008	2

16200B-001 Load device set

Size	P/N	Qty.
0.6 x 0.3 x 0.3 (mm)	0699-6926	5
1 x 0.5 x 0.5 (mm)	5182-0433	5
1.6 x 0.8 x 0.8 (mm)	5182-0434	5
2.0 x 1.2 x 0.8 (mm)	5182-0435	5
3.2 x 1.6 x 0.8 (mm)	5182-0436	5

Options:

16200B-001: Add Working std set

Compensation and measurement: When using the 4291B, follow these instructions: Perform open, short, load and low-loss calibration at the 7 mm test port of the 4291B. Connect the 16200B to the 7 mm test port, and connect the test fixture onto the 16200B. Open, short, and load compensations are recommended before measurement. Use the short bars and 51 Ω SMD resistors furnished with 16200B-001 to perform short and load compensation respectively.

When using other instruments, follow these instructions:

Connect the 16200B to the 7 mm test port of the measurement instrument. Perform open, short, load (and low-loss calibration) at the 7 mm test port of the 16200B. Then, connect the test fixture onto the 16200B and perform open, short, and electrical length compensations in the usual manner.

