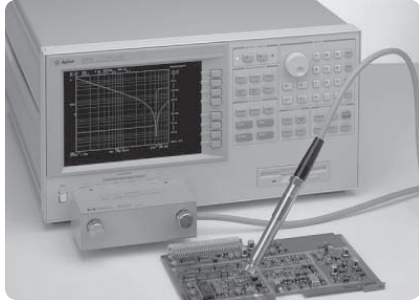


Agilent 4294A Accessories

Agilent 42941A impedance probe



The 42941A impedance probe enables in-circuit impedance measurement of electronic circuits or components. Grounded devices can also be measured.

Key specifications

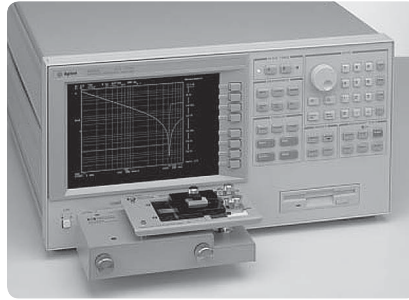
Frequency: 40 Hz to 110 MHz

DC BIAS: 0 V to ± 40 V

Operation temperature range:
-20 °C to 75 °C

Basic impedance accuracy: $\pm 0.8\%$

Agilent 42942A terminal adapter



The 42942A terminal adapter converts the four-terminal-pair port configuration to an 7-mm port. This adapter permits the use of familiar 7-mm test fixtures.

Again, grounded measurement is available.

Key specifications

Frequency: 40 Hz to 110 MHz

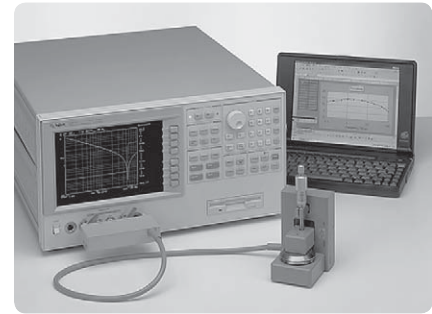
DC bias: 0 V to ± 40 V

Operation temperature range:
0 °C to 40 °C

Basic impedance accuracy: $\pm 0.6\%$

Material test fixtures

Use of a dielectric material fixture such as the Agilent 16451B or 16452A allows accurate dielectric material measurement. Permeability of magnetic materials can also be evaluated with the Agilent 42942A and 16454A magnetic material test fixture. Automatic measurement and permittivity/permeability analysis can easily be performed by using built-in IBASIC or by I/O to a computer where the analysis can be performed.



Other accessories

When a DUT cannot be positioned near the instrument, a four-terminal-pair extension (Agilent 16048G: 1 m or 16048H: 2 m) can be used to extend the test station to the DUT. These Agilent extension accessories operate over the entire frequency and temperature range (40 Hz to 110 MHz, -20 °C to +150 °C) of the 4294A.