# Measure Bode Plots with R&S RTM, RTA, RTB Scopes
and Picotest Signal Injectors

Accurate stability measurement is critically important to all power supply designs

Bode plots are the traditional measurement for assessing control loop stability; an essential parameter for power supply performance. This test requires a signal to be injected into the power supply's control loop. Picotest makes three options, the J2100A, J2101A, and J2110A. It is accomplished with an injection transformer or solid state injection solution. Picotest makes several options that work with the Rohde & Schwarz RTA, RTB, and RTM oscilloscopes that have the RTx-K36 FRA option. Visit www.Picotest.com for more information.
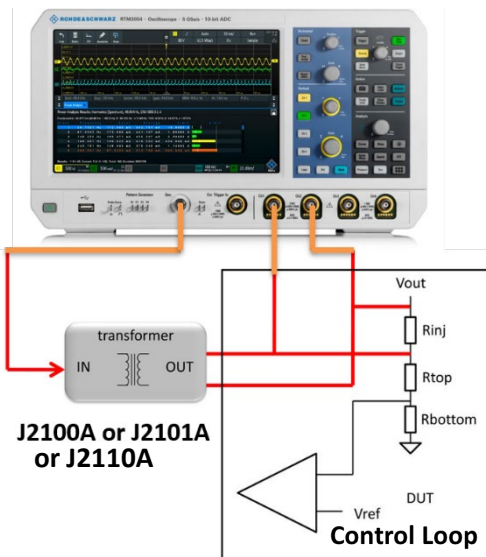
Set up diagram to measure Bode plots. The oscilloscope supplies the stimulus signal which is injected into the control loop via the Picotest J2100A, J2101A, or J2110A Signal Injector.

Bode plot measured using the Picotest J2100A and Rohde & Schwarz RTM oscilloscope

Products to measure Bode plots:

J2101A Injection Transformer (10Hz–45 MHz)

J2100A Injection Transformer (1Hz-5MHz)

J2110A Solid State Injector (DC-40MHz+)

To learn how this solution can address your specific needs please contact Picotest:
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