

Technical Support  
Knowledge Center Open

# How Do I Establish Communications Between the 34970A and VEE?

# Notices

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## Contents

You must first establish a configuration for the instrument.

To do this, select I/O from the menu commands, select Instrument Manager. At the next dialog box, select either a GPIB or a Serial interface (depending upon your choice of communications) and then select Add Instrument. In the Device Configuration box, enter a name for the instrument, the interface type, and then the address.

If the interface is GPIB, the first number is the logical address of the GPIB card and the next two numbers represent the GPIB address of the instrument.

Now select OK.

If the interface is Serial, there is only one number and it represents the logical address of the COM port established in I/O Config of the I/O Libraries, ASRL1 or ASRL2. For Serial communications, select Advanced I/O Config and change the Plug&Play Driver VEE default VISA address prefix from ASRL0 to ASRL1 if the instrument is connected to the COM1 port and ASRL2 if it's connected to the COM2 port. VISA Assistant can be used to check this. Also make sure the communication settings match that of the instrument, e.g. baud rate, handshaking, parity, stop/start bits.

The title of the new entry should mimic this: Instrument\_Name(@702) or Instrument\_Name(@ASRL<n>). Instrument\_Name corresponds to the name of the instrument given in device configuration. In this example, the 7 is the logical address of the GPIB card, and 02 is the GPIB address of the instrument. If the numbers are replaced by "NOT LIVE", highlight the instrument entry, select Edit Instrument, select Advanced I/O Config, and then turn Live Mode to ON by clicking the Off button.

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