

[GPIB] Checklist for dealing with issues involving communicating with the instrument

If the instrument cannot be placed in remote mode

No.	What to check	Result
1	Check whether another device is using the same GPIB address. (1) Ordinarily, the computer (master) will use the address 0. (2) Instruments will use addresses 1 to 30.	
2	If using a USB/GPIB conversion adapter Verify that the adapter's driver has been properly installed. In Windows, you can accomplish this using the Device Manager.	

Checking the communications settings

No.	What to check	Result
3	Is the terminator set to the same setting as the computer and instrument (CR or CR+LF)?	

Checking communications

No.	What to check	Result
4	Check whether you can communicate with the instrument using the sample application on the included CD-ROM.	
5	Check communications with the tool provided by the GPIB board's manufacturer for sending and receiving commands.	
6	If you've developed your own communications software, refer to the sample program (which is written in Visual Basic) on the included CD (the sample includes code for RS-232C and LAN communications). (The sample program includes examples for making a single measurement and waiting for open/short correction to complete, as well as an explanation of the basics of sending and receiving commands.)	

Other issues

No.	What to check	Result
7	Check the following if the instrument emits a beep, indicating a command error or execution error: # Command spelling # Send commands one at a time and check where the error is occurring.	

If unable to resolve issue

No.	What to check	Result
8	Restart the computer and instrument. You may be able to resolve the issue by installing a driver or other software.	