

Technical Support  
Knowledge Center Open

# Communicating With VEE Direct I/O Boxes

# Notices

© Keysight Technologies Incorporated, 2002-2020

1400 Fountaingrove Pkwy., Santa Rosa, CA 95403-1738, United States All rights reserved.

No part of this documentation may be reproduced in any form or by any means (including electronic storage and retrieval or translation into a foreign language) without prior agreement and written consent from Keysight Technologies, Inc. as governed by United States and international copyright laws.

## Restricted Rights Legend

If software is for use in the performance of a U.S. Government prime contract or subcontract, Software is delivered and licensed as "Commercial computer software" as defined in DFAR 252.227-7014 (June 1995), or as a "commercial item" as defined in FAR 2.101(a) or as "Restricted computer software" as defined in FAR 52.227-19 (June 1987) or any equivalent agency regulation or contract clause.

Use, duplication or disclosure of Software is subject to Keysight Technologies' standard commercial license terms, and non-DOD Departments and Agencies of the U.S. Government will receive no greater than Restricted Rights as defined in FAR 52.227-19(c)(1-2) (June 1987). U.S. Government users will receive no greater than Limited Rights as defined in FAR 52.227-14 (June 1987) or DFAR 252.227-7015 (b)(2) (November 1995), as applicable in any technical data.

**Portions of this software are licensed by third parties including open source terms and conditions.**

**For detail information on third party licenses, see [Notice](#).**

## 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. 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.

For Serial communications, select Advanced I/O Config and make sure the communication setting match that of the instrument, e.g. baud rate, handshaking, parity, stop/start bits.

For GPIB communications, select OK.

The title of the new entry should mimic this: Instrument\_Name(@702). Instrument\_Name corresponds to the name of the instrument given in device configuration, the 7 is the logical address of the GPIB card, and 02 is the GPIB address of the instrument. If the number 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.

