

Release Notes for Keithley 230x Battery Charger/Simulator Driver (Version 5.0.0).
April 2010

1. Models Supported:

2302, 2306, 2306VS, 2306PJ and 2308

2. This driver works with the following software environments:

LabWindows/CVI 8.5 and later,
Microsoft Visual C++ 6.0 and later,
Visual Basic 6.0.
And any other environments that support calling Win32 DLL's.

3. Installation

System Requirements: The driver installation will check for the following requirements. If not found, the installer will either abort, warn, or install the required component as appropriate.

Supported Operating Systems:

Windows 2000
Windows XP
Windows Vista 32-bit

Shared Components

Before this driver can be installed, your computer must already have several components already installed. The easiest way to install these other components is by running the IVI Shared Components installation package available from the IVI Foundation as noted below. It installs all the items mentioned below.

IVI Shared Components version 2.0.0 or later.
The driver installer requires these components. They must be installed before the driver installer can install the driver.

The IVI Shared Components installer is available from:
http://www.ivifoundation.org/shared_components

To install, open or run the file: IviSharedComponents.msi

If the driver installer exhibits problems with installing the IVI Shared Components, find the program IviSharedComponents.msi and Run the program. It is able to install many of the required system components, including Windows Installer 2.0.

VISA

Any compliant implementation is acceptable. If you don't have a license to install VISA then you can install the Keithley I/O layer which will install a licensed version of the NI-VISA runtime.

4. Installed Files

This section provides information on where the driver components are installed.

Default installation installs the complete driver for all the supported environments.

The CVI Driver (fp file) gets installed under the "IVI Foundation->IVI->Drivers->Ke230x" directory.

For use with other Win32 environments the required Dll is installed in "IVI Foundation->IVI->bin" directory and the the import librarys are located under the "IVI Foundation->IVI->Lib" directory. There is one for Microsoft C and one for Borland C.

For Visual BASIC Users, there is no .BAS file. Instead navigate to the DLL via the Project/References menu. A typlib for the DLL is imbedded in the DLL.

Two help files get installed in "IVI Foundation->IVI->Drivers->Ke230x" directory. Ke230xc.hlp is for C users and Ke230x.hlp is for VB Users.

5. Revision History

Version	Date	Notes
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A01	Jun 18, 1999	Initial release
A03	Apr 03, 2006	Read Multiple Function doesnt work with Channel 2. User gets the error "Attribute is not valid for specified Channel". Added support for the 2306PJ model.
A04	Dec 04, 2008	Added support for the 2306VS model. The channelName parameter in the functions ConfigureBasicMeasurment and ConfigureFastSearchDetect got changed from a ViChar[] to a ViConstString. This makes calling the driver from .NET languages much easier.
3.1.0.0	Nov 01, 2009	Updated installer for Vista. Updated NI IVI engine. Updated LabVIEW driver - wrapper and not a native driver
5.0.0	Apr 01, 2010	Added support for model 2308 Removed LabVIEW wrapper as we now have a Native LabVIEW driver

6. Known Problems:

None

7. Missing Functionalities:

None

8. Support:

To report issues or provide feedback about this instrument driver, please send an email to InstrumentDrivers@keithley.com

9. IVI Compliance Category:

IVI-C IviDCPwr Specific Instrument Driver

Class Specification version: 3.00

Group Capabilities: Supported:

Base yes

Measurement yes

Optional Features:

Interchangeability Checking = True

State Caching = True

Coercion Recording = True

Driver Identification:

Driver Revision: 5.0.0.0

Driver Vendor: Keithley Instruments

Prefix: ke230x

Description: Power Supply Sources (Dual Channel Battery/Charger Simulator)

Hardware Information:

Instrument Manufacturer: Keithley Instruments

Supported Instrument Models: 2302,2306,2306VS,2306PJ,2308

Supported Bus Interfaces: GPIB

32-bit Software Information:

Supported Operating Systems: Windows 2000, Windows XP, Windows Vista 32-bit

Unsupported Operating Systems: Windows 95, Windows 98, Windows ME, Windows NT

Support Software Required: VISA 2.6.0 or later

IVI Shared Components

NI IVI Engine ver 3.0 or later - provided as part of

this installer

Source Code Availability: Available upon request.

10. Notice:

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