

Readme.txt

**** Read Me First ****

Version 1.0.0.0
Feb 1st, 2010

Introducing the Keithley IVI Driver for the 2015, 2015P, 2016, 2016P and 2000 DMM's

This instrument driver provides access to the functionality of the Keithley 2015/2015P/2016/2016P and 2000 through a COM server which also complies with the IVI specifications. This driver also presents an IVI-C driver via the ke20xx.dll. This driver works in any development environment which supports COM programming including Microsoft® Visual Basic, Microsoft Visual C++, Microsoft .NET, Agilent VEE Pro, National Instruments LabVIEW, and others.

Supported Instruments

2015
2015P
2016
2016P
2000

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

Shared Components

Before this driver can be installed, your computer must already have the IVI Shared Components installed.

Minimal IVI Version: 2.0.0

The IVI Shared Components installer is available from:
<http://www.ivifoundation.org/Downloads/SharedComponents.htm>

VISA-COM

Any compliant implementation is acceptable. Typically, VISA-COM is installed with VISA and other I/O library modules.

Additional Setup

.NET Framework

The .NET Framework itself is not required by this driver. If you plan to use the driver with .NET, the minimal .NET framework version is 2.0.

The .NET Framework requires an interop assembly for a COM server. A Primary Interop Assembly, along with an XML file for Intellisense is installed with the driver. The driver's PIA, along

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with IVI PIAs are installed, by default, in:
<drive>:\Program Files\IVI Foundation\IVI\Bin\Primary Interop Assemblies

The PIA is also installed into the Global Assembly Cache (GAC) if you have the .NET framework installed.

Help File

The help file (Keithley20XX.chm) is located in the directory:
<drive>:\Program Files\IVI Foundation\IVI\Drivers\Keithley20XX

Start Menu Shortcuts

A shortcut to the driver help file is added to the Start Menu, Programs, Keithley Instruments, Keithley 20XX group. It contains three short cuts to the: help file, Examples folder and the readme - release notes for the driver

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<drive>:\Program Files\IVI Foundation\IVI\Drivers\Keithley20XX

Revision History

Version	Date	Notes
0.1.0.0	Dec 23rd, 2009	Beta 1
0.2.0.0	Jan 22nd, 2010	Beta 2
1.0.0.0	Feb 1st, 2010	First Release

Support

To report bugs or provide feedback on this driver email:
InstrumentDrivers@Keithley.com

IVI Compliance

(The following information is required by IVI 3.1 section 5.21.)

IVI-COM/IVI-C IviDmm Specific Instrument Driver
IVI Instrument Class: IVI-4.2_DMM_v3.0

Group Capabilities:	Supported:
IviDmmBase	yes (IVI-COM only)
IviDmmACMeasurement	yes (IVI-COM only)
IviDmmFrequencyMeasurement	yes (IVI-COM only)
IviDmmTemperatureMeasurement	yes (IVI-COM only)
IviDmmThermocouple	yes (IVI-COM only)
IviDmmResistanceTemperatureDevice	no (IVI-COM only)
IviDmmThermistor	no (IVI-COM only)
IviDmmMultiPoint	yes (IVI-COM only)
IviDmmTriggerSlope	yes (IVI-COM only)
IviDmmSoftwareTrigger	yes (IVI-COM only)
IviDmmDeviceInfo	yes (IVI-COM only)
IviDmmAutoRangeValue	yes (IVI-COM only)
IviDmmAutoZero	yes (IVI-COM only)
IviDmmPowerLineFrequency	yes (IVI-COM only)

Optional Features: This driver does not support Interchangeability Checking, State Caching, or Coercion Recording.

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Driver Identification:

(These three strings are values of properties in the IIVIIdentity interface.)

Vendor: Keithley Instruments.

Description: IVI Driver for Keithley20XX

Revision: 1.0.0.0

Component Identifier: Keithley20XX.Keithley20XX

(The component identifier can be used to create an instance of the COM server.)

Hardware: This driver supports instruments manufactured by Keithley. The supported model numbers are:

2015
2015P
2016
2016P
2000

This driver supports communicating with the instrument using either GPIB or RS232.

Software: See the section on installation in this document for information on what other software is required by this driver.