

# LABVIEW® INSTRUMENT DRIVER LIBRARY LIST

This document lists LabVIEW instrument drivers and their directory locations on this CD-ROM. The CD-ROM also includes instructions for installing the drivers and information about how to access the most recent versions of the drivers.

## Table of Contents

Technical Support Information .....	2
Instrument Driver Bulletin Board Access .....	2
Instrument Driver Internet Access.....	2
Instrument Driver Order Form Access .....	3
Instructions for LabVIEW 4.x Users.....	3
Instructions for LabVIEW 3.1 Users.....	4
General Information .....	4
Locations of Instrument Drivers .....	4
GPIB Instrument Drivers.....	6
VXI Instrument Drivers.....	22
Serial Instrument Drivers .....	26
CAMAC Instrument Drivers .....	28

# Technical Support Information

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## Instrument Driver Bulletin Board Access

You can download the latest versions of the LabVIEW instrument drivers from one of the National Instruments bulletin boards. The bulletin boards are located in National Instruments offices in the United States, United Kingdom, and France. All of the bulletin boards can auto baud to 9,600 baud and use 8 data bits, 1 stop bit, and no parity. The United States bulletin board handles up to 14,400 baud. Telephone numbers for the bulletin boards are:

United States (512) 794-5422  
United Kingdom 01635 551422  
France 1 48 65 15 59

## Instrument Driver Internet Access

If you have Internet access, you can download the latest instrument driver files from the National Instruments File Transfer Protocol (FTP) or World Wide Web (WWW) sites.

### FTP Access

Log on to host `ftp.natinst.com`. Use `anonymous` as the username and your e-mail address as the password. The instrument drivers are in the following locations:

LabVIEW for Windows  
`/support/labview/windows/instruments/`

LabVIEW for Sun  
`/support/labview/sun/instruments/`

LabVIEW for Macintosh  
`/support/labview/mac/instruments/`

LabVIEW for PowerMac  
`/support/labview/powermac/instruments/`

LabVIEW for HP-UX  
`/support/labview/hp-ux/instruments/`

## WWW Access

Connect to <http://www.natinst.com/>. In the **Product & Feature Pages** pull-down list, choose **Instrument Driver Network**. Click on the **Go** button. The Instrument Driver Network sorts instrument drivers by vendor, model, and interface. When you find the instrument driver you need, follow the link to the page that describes it and download it. You can also search the Instrument Driver Network and submit an instrument driver request.

## Instrument Driver Order Form Access

You can retrieve the latest instrument driver order form by using a touch-tone phone to call the National Instruments automated fax system, Fax-on-Demand, at (512) 418-1111 or (800) 329-7177.

National Instruments developers used LabVIEW 4.x or LabVIEW 3.1 to develop or update all the instrument drivers in this library. They used NI-VISA 1.1 to develop the most recent instrument drivers.

National Instruments is committed to providing the most effective instrument drivers for your instrumentation systems. To achieve this goal, National Instruments continually adds instrument drivers to the LabVIEW instrument driver library. If you need instrument drivers that are not in the library and would like to suggest additions, submit your requests through the Instrument Driver Network on the National Instruments Internet site. See the *Instrument Driver Internet Access* section of this document for more information.

## Instructions for LabVIEW 4x Users

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If the VISA column is marked **Yes**, you must install the NI-VISA I/O driver from your LabVIEW installation CD or diskettes. You can obtain the latest version of NI-VISA from the National Instruments FTP site or Internet site. See the *Instrument Driver Internet Access* section of this document for more information.

If you are a Windows 3.1 or Windows 95/NT user, you can install the instrument drivers with the **Install** utility on the CD-ROM. Run `setup.exe` and follow the instructions.

Other users can copy the instrument drivers as sub-directories in your `/labview/instr.lib` directory to ensure the instrument driver VIs appear in the Instrument Driver sub-palette of the Functions palette. If an instrument driver contains a shared file, copy the shared file in your `/labview/instr.lib/_shared` directory. If you do not already have

a `_shared` directory, create one and copy the shared file into it. If you do not place the files in the proper directories, you might see large question marks in the Instrument Driver sub-palette of the Functions palette.

## Instructions for LabVIEW 3.1 Users

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If a driver works with LabVIEW 3.1, the LV column says 3.1. Also, if the VISA column is marked **Yes**, you must install the VISA Transition Library (VTL) 3.0. The VTL 3.0 LabVIEW libraries are on the Instrument Driver Library CD-ROM.

## General Information

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Since the last release of the Instrument Driver Library CD-ROM, National Instruments has modified most of the instrument drivers in minor ways. For example, several instrument drivers required icon changes for them to be visible from a LabVIEW 4.x menu palette.



This symbol indicates the driver is new.

**Locations of Instrument Drivers**

Type of Driver, Tool	Location
GPIB Instrument Drivers for LabVIEW 4.x	\labview\41\gpiib
GPIB Instrument Drivers for LabVIEW 3.1	\labview\31\gpiib
VXI Instrument Drivers for LabVIEW 4.x	\labview\41\vxii
VXI Instrument Drivers for LabVIEW 3.1	\labview\31\vxii
Serial Instrument Drivers for LabVIEW 4.x	\labview\41\serial
Serial Instrument Drivers for LabVIEW 3.1	\labview\31\serial
CAMAC Instrument Drivers for LabVIEW 4.x	\labview\41\camac
CAMAC Instrument Drivers for LabVIEW 3.1	\labview\31\camac
Instrument Driver Templates for LabVIEW 4.x	\labview\41\cores
VXI Stubs and VXI Tools for LabVIEW 4.x and VXI-GPIB	\labview\41\vxii\_vxitlsg
VXI Stubs and VXI Tools for LabVIEW 3.1 and VXI-GPIB	\labview\31\vxii\_vxitlsg

**Locations of Instrument Drivers (continued)**

<b>Type of Driver, Tool</b>	<b>Location</b>
VXI Stubs and VXI Tools for LabVIEW 4.x and VXI-MXI	\labview\41\vx_i\_vxitlsm
VXI Stubs and VXI Tools for LabVIEW 3.1 and VXI-MXI	\labview\31\vx_i\_vxitlsm
VISA Transition Lib. Upgrade for LabVIEW 3.1 (Windows)	\labview\31\vtl\setup.exe

# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Advantest</b>				
R5373P	Microwave Counter/Timer	avr5373p	4.x, 3.1	
<b>Aerotech Unidex</b>				
11/12	Motion Controller	au11_12	4.x, 3.1	
100	Motion Controller	au100g	4.x, 3.1	
400	Motion Controller	au400	4.x, 3.1	
<b>Anritsu Wiltron</b>				
360B	Vector Network Analyzer	aw360b	4.x	Yes
2602A	RF Spectrum Analyzer	aw2602a	4.x, 3.1	Yes
6700 Series	Swept Frequency Synthesizer	aw167xxb	4.x, 3.1	
37200A Series	Vector Network Analyzer	aw372xxa	4.x, 3.1	Yes
68000B Series	Synthesized Sweep Generator	aw680xxb	4.x, 3.1	
68100B Series	Synthesized Sweep Generator	aw681xxb	4.x, 3.1	
68200B Series	Synthesized Sweep Generator	aw682xxb	4.x, 3.1	
68300B Series	Synthesized Sweep Generator	aw683xxb	4.x, 3.1	
<b>Audio Precision</b>				
ATS-1	Audio Test System	ap_ats1	4.x, 3.1	
SYS-22G	System One Audio Analyzer	apsys22	4.x, 3.1	
SYS-222G	GSystemOne, FASTEST/FASTRIG DSP	apsysfst	4.x, 3.1	
SYS-322G	GSystemOne, FASTEST/FASTRIG DSP	apsysfst	4.x, 3.1	
<b>B&amp;K</b>				
1049	Sine Generator/Noise Generator	bk1049	4.x, 3.1	
1051	Sine Generator	bk1051	4.x, 3.1	
2977	Phase Meter	bk2977	4.x, 3.1	
<b>California Instruments</b>				
L Series P/PT	AC Power Source	cicl_ppt	4.x, 3.1	
<b>EDC</b>				
520A	Calibrator	edc520a	4.x, 3.1	
<b>EG&amp;G</b>				
5208	Lock-In Analyzer	egg5208	4.x, 3.1	
5210	Lock-In Amplifier	egg5210	4.x, 3.1	

# GPIB Instrument Drivers



Model Number	Instrument Type	Directories & Shared Files	LV	VISA
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## EIP Microwave

575B	Counter	ei57xb	4.x, 3.1	
578B	Counter	ei57xb	4.x, 3.1	

## Fluke

45	Digital Multimeter	fl45	4.x, 3.1	Yes
2240C	Datalogger	fl2240c	4.x, 3.1	
2620A	Data Acquisition Unit	fl2620a	4.x, 3.1	
5101B	Calibrator	fl5101b	4.x, 3.1	
5440B	Calibrator	fl5440b	4.x, 3.1	
5700A	Calibrator	fl5700a	4.x, 3.1	Yes
6060	Synthesized RF Signal Generator	fl6060x	4.x, 3.1	Yes
8502A	Digital Multimeter	fl8502a	4.x, 3.1	
8505A	Digital Multimeter	fl8505a	4.x, 3.1	
8506A	Digital Multimeter	fl8506a	4.x, 3.1	
8520A	Digital Multimeter	fl8520a	4.x, 3.1	
8840A	Digital Multimeter	fl884xx	4.x, 3.1	Yes
8842A	Digital Multimeter	fl884xx	4.x, 3.1	Yes
 54100	TV Signal Generator	fl54x00	4.x	Yes
 54200	TV Signal Generator	fl54x00	4.x	Yes

## Fluke/Philips

PM 2534	System DMM	flpm2534	4.x, 3.1	
PM 2811	Single-Output Power Supply	flpm28xx	4.x, 3.1	
PM 2812	Dual-Output Power Supply	flpm28xx	4.x, 3.1	
PM 2813	Triple-Output Power Supply	flpm28xx	4.x, 3.1	
PM 2831	Programmable Power Supply	flpm28xx	4.x, 3.1	
PM 2832	Programmable Power Supply	flpm28xx	4.x, 3.1	
PM 3350A	100 MS/s Digitizing Oscilloscope	flpm3350	4.x, 3.1	
PM 3382	Digitizing Oscilloscope	flpm3394	4.x, 3.1	
PM 3384	Digitizing Oscilloscope	flpm3394	4.x, 3.1	
PM 3392	Digitizing Oscilloscope	flpm3394	4.x, 3.1	
PM 3394	Digitizing Oscilloscope	flpm3394	4.x, 3.1	
PM 5139	Function Generator	flpm5139	4.x	Yes
PM 5193	Function Generator	flpm5193	4.x, 3.1	
PM 6304	LCR Meter	flpm6304	4.x, 3.1	
PM 6666	Frequency Counter	flpm6666	4.x, 3.1	
PM 6680	Programmable Timer/Counter	flpm6680	4.x, 3.1	

# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
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## Fluke/Philips (continued)

PM 6681	Programmable Timer/Counter	flpm6681	4.x, 3.1	Yes
 PT 5810	TV Signal Generator	fl54x00	4.x	Yes
 PT 5820	TV Signal Generator	fl54x00	4.x	Yes

## Giga-tronics

7200 Series	Synthesized Microwave Sweeper	gt7200	4.x, 3.1	
8541	Digital Power Meter	gt8541	4.x, 3.1	
8542	Digital Power Meter	gt8542	4.x, 3.1	

## Gould

270	Waveform Processor for 407x/9x	gdwp270	4.x, 3.1	
475	Digitizing Oscilloscope	gd475	4.x, 3.1	Yes
1602	Digitizing Oscilloscope	gd16xx	4.x, 3.1	
1604	Digitizing Oscilloscope	gd16xx	4.x, 3.1	
4062	Digitizing Oscilloscope	gd406x	4.x, 3.1	
4064	Digitizing Oscilloscope	gd406x	4.x, 3.1	
4066	Digitizing Oscilloscope	gd406x	4.x, 3.1	
4068	Digitizing Oscilloscope	gd406x	4.x, 3.1	
4072	Digitizing Oscilloscope	gd4079x	4.x, 3.1	
4074	Digitizing Oscilloscope	gd4079x	4.x, 3.1	
4090	Digitizing Oscilloscope	gd4079x	4.x, 3.1	
4092	Digitizing Oscilloscope	gd4079x	4.x, 3.1	
4094	Digitizing Oscilloscope	gd4079x	4.x, 3.1	

## Hameg

205-X	Oscilloscope	hm205x	4.x, 3.1	
408	Oscilloscope	hm408	4.x, 3.1	
8130	Programmable Function Generator	hm8130	4.x, 3.1	
8142	Programmable Power Supply	hm8142	4.x, 3.1	

## HBM

DMC	Digital Amplifier System	hbm_dmc	4.x, 3.1	
MGC	Measuring Amplifier System	hbm_mgc	4.x, 3.1	

## Hewlett-Packard



E3631A	Triple-Output DC Power Supply	hpe3631a	4.x, 3.1	Yes
437B	Power Meter	hp437b	4.x, 3.1	



## GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Hewlett-Packard (continued)</b>				
438A	Dual-Channel Power Meter	hp438a	4.x, 3.1	
3314A	Function Generator	hp3314a	4.x, 3.1	
3325A	Synthesized Function/Sweep Generator	hp3325a	4.x, 3.1	
3421A	Data Acquisition/Control Unit	hp3421a	4.x, 3.1	
3437A	High-Speed DC Voltmeter	hp3437a	4.x, 3.1	
3456A	Digital Multimeter	hp3456a	4.x, 3.1	
3457A	Digital Multimeter	hp3457a	4.x, 3.1	
3458A	Digital Multimeter	hp3458a	4.x, 3.1	
3478A	Digital Multimeter	hp3478a	4.x, 3.1	
3488A	Switch/Control Unit	hp3488a	4.x, 3.1	Yes
3497A	Data Acquisition Unit	hp3497a	4.x, 3.1	
3561A	Dynamic Signal Analyzer	hp3561a	4.x, 3.1	
3577B	Network Analyzer	hp3577b	4.x, 3.1	
3852A	Data Acquisition System	hp3852	4.x, 3.1	
3852-44701A	5.5-Digit Voltmeter	hp3852	4.x, 3.1	
3852-44702A	High-Speed Voltmeter	hp3852	4.x, 3.1	
3852-44705A	20-Channel Relay MUX	hp3852	4.x, 3.1	
3852-44706A	60-Channel Single-Ended Relay MUX	hp3852	4.x, 3.1	
3852-44709A	20-Channel FET MUX	hp3852	4.x, 3.1	
3852-44713A	24-Channel FET MUX	hp3852	4.x, 3.1	
3852-44715A	5-Channel Counter/Totalizer	hp3852	4.x, 3.1	
3852-44721A	16-Channel Digital Input	hp3852	4.x, 3.1	
3852-44722A	8-Channel AC Digital Input	hp3852	4.x, 3.1	
3852-44724A	16-Channel Digital Output	hp3852	4.x, 3.1	
3852-44726A	2-Channel Arbitrary Waveform DAC	hp3852	4.x, 3.1	
3852-44727A	4-Channel Voltage DAC	hp3852	4.x, 3.1	
3852-44728A	8-Channel Relay Actuator	hp3852	4.x, 3.1	
3852-44730A	4-Channel Track-Hold MUX	hp3852	4.x, 3.1	
3852-44732A	4-Channel 120 Ohm Strain Gage MUX	hp3852	4.x, 3.1	
3852-44733A	4-Channel 350 Ohm Strain Gage MUX	hp3852	4.x, 3.1	
4140B	Voltage Source	hp4140b	4.x, 3.1	
4145B	Semiconductor Parameter Analyzer	hp4145b	4.x, 3.1	
4155A	Semiconductor Parameter Analyzer	hp415xa	4.x, 3.1	Yes
4156A	Semiconductor Parameter Analyzer	hp415xa	4.x, 3.1	Yes


# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Hewlett-Packard (continued)</b>				
4192	LCR Meter	hp4192a	4.x, 3.1	
4263A	LCR Meter	hp4263a	4.x, 3.1	Yes
4275A	LCR Meter	hp4275a	4.x, 3.1	
4276A	LCZ Meter	hp4276a	4.x, 3.1	
 4284A	Precision LCR Meter	hp428xa	4.x	Yes
 4285A	Precision LCR Meter	hp428xa	4.x	Yes
5180A	Digitizer	hp5180a	4.x, 3.1	
5316A	Universal Counter	hp5316a	4.x, 3.1	
5334A/B	Universal Counter	hp5334x	4.x, 3.1	
5335A	Counter	hp5335a	4.x, 3.1	
5342A	Microwave Counter	hp5342a	4.x, 3.1	
5345A	Counter	hp5345a	4.x, 3.1	
6021A	Multiple-Output System Power Supply	hp6xxxa	4.x, 3.1	Yes
6022A	Multiple-Output System Power Supply	hp6xxxa	4.x, 3.1	Yes
6627A	Multiple-Output System Power Supply	hp6xxxa	4.x, 3.1	Yes
6030A	Single-Output System Power Supply	hp6xxxa	4.x, 3.1	Yes
6031A	Single-Output System Power Supply	hp6xxxa	4.x, 3.1	Yes
6032A	Single-Output System Power Supply	hp6xxxa	4.x, 3.1	Yes
6033A	Single-Output System Power Supply	hp6xxxa	4.x, 3.1	Yes
6035A	Single-Output System Power Supply	hp6xxxa	4.x, 3.1	Yes
6038A	Single-Output System Power Supply	hp6xxxa	4.x, 3.1	Yes
6050A	System DC Electronic Load Mainframe	hp605xa	4.x, 3.1	Yes
6051A	System DC Electronic Load Mainframe	hp605xa	4.x, 3.1	Yes
6624A	Multiple-Output System DC Power Supply	hp6xxxa	4.x, 3.1	Yes
6625A	Precision Dual-Output DC Power Supply	hp662xa	4.x, 3.1	Yes
6626A	Precision Quad-Output DC Power Supply	hp662xa	4.x, 3.1	Yes
6628A	Precision Dual-Output DC Power Supply	hp662xa	4.x, 3.1	Yes
6629A	Precision Quad-Output DC Power Supply	hp662xa	4.x, 3.1	Yes
6632A	Single-Output DC Power Supply	hp6xxxa	4.x, 3.1	Yes
6633A	Single-Output DC Power Supply	hp6xxxa	4.x, 3.1	Yes
6634A	Single-Output DC Power Supply	hp6xxxa	4.x, 3.1	Yes
6641A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6642A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6643A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes

## GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Hewlett-Packard (continued)</b>				
6643A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6644A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6645A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6651A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6652A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6653A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6654A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6655A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6671A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6672A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6673A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6674A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6675A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6680A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6681A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6682A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6683A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6684A	Single-Output Power Supply	hp66xxa	4.x, 3.1	Yes
6812A	AC Power Source/Analyzer	hp68xxa	4.x, 3.1	Yes
6813A	AC Power Source/Analyzer	hp68xxa	4.x, 3.1	Yes
6814A	AC Power Source/Analyzer	hp68xxa	4.x, 3.1	Yes
6834A	AC Power Source/Analyzer	hp68xxa	4.x, 3.1	Yes
7470A	Digital Plotter	hp7470a	4.x, 3.1	
7475A	Digital Plotter	hp7475a	4.x, 3.1	
7550A	Digital Plotter	hp7550a	4.x, 3.1	
8116A	Pulse/Function Generator	hp8116a	4.x, 3.1	Yes
8153A	Lightwave Multimeter	hp8153a	4.x	Yes
8341	Synthesized Sweeper	hp8341	4.x, 3.1	Yes
8452A	Spectrophotometer	hp8452	4.x, 3.1	
8510B	Network Analyzer	hp8510b	4.x, 3.1	Yes
8566B	Spectrum Analyzer	hp8566b	4.x, 3.1	Yes
8591A	Spectrum Analyzer	hp8591a	4.x, 3.1	
8591C	Cable TV Analyzer	hp859xx	4.x, 3.1	Yes
8591E	Spectrum Analyzer	hp859xx	4.x, 3.1	Yes

# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Hewlett-Packard (continued)</b>				
8593E	Spectrum Analyzer	hp859xx	4.x, 3.1	Yes
8594E	Spectrum Analyzer	hp859xx	4.x, 3.1	Yes
8595E	Spectrum Analyzer	hp859xx	4.x, 3.1	Yes
8596E	Spectrum Analyzer	hp859xx	4.x, 3.1	Yes
8643A	Signal Generator	hp8643a	4.x, 3.1	Yes
 8644B	RF Signal Generator	hp8644b	4.x	Yes
8647A	Synthesized Signal Generator	hp8647a	4.x, 3.1	Yes
8648A	Economy RF Signal Generator	hp8648a	4.x	Yes
8656B	Economy RF Signal Generator	hp865xx	4.x, 3.1	Yes
8657A/B	Economy RF Signal Generator	hp865xx	4.x, 3.1	Yes
8663A	Frequency Synthesizer	hp8663a	4.x, 3.1	
8711B	RF Economy Network Analyzer	hp871xb	4.x	Yes
8712B	RF Economy Network Analyzer	hp871xb	4.x	Yes
8713B	RF Economy Network Analyzer	hp871xb	4.x	Yes
8714B	RF Economy Network Analyzer	hp871xb	4.x	Yes
8720B/C	Network Analyzer	hp8720	4.x, 3.1	Yes
8753B/C/D	Network Analyzer	hp8753	4.x, 3.1	Yes
8770	Arbitrary Waveform Synthesizer	hp8770a	4.x, 3.1	Yes
8901A	Modulation Analyzer	hp8901a	4.x, 3.1	Yes
8902A	Measuring Receiver	hp8902a	4.x, 3.1	Yes
8903A	Audio Analyzer	hp8903a	4.x, 3.1	
8903B	Audio Analyzer	hp8903b	4.x, 3.1	Yes
8904A	Function Synthesizer/Generator	hp8904a	4.x, 3.1	
8920	RF Communications Test Set	hp8920	4.x, 3.1	
8958A	Cellular Radio Interface	hp8958a	4.x, 3.1	Yes
11713A	Attenuator/Switch Driver	hp11713a	4.x, 3.1	
16500B	Modular Logic Analysis Mainframe	hp16500b	4.x	Yes
16517A	High-Speed State & Timing Module (Master)	hp1651xa	4.x	Yes
16518A	High-Speed State & Timing Module (Slave)	hp1651xa	4.x	Yes
16520A	Pattern Generator Module	hp16520a	4.x	Yes
16522A	Pattern Generator Module	hp16522a	4.x	Yes
16533A	Digitizing Oscilloscope Module	hp1653xa	4.x	Yes
16534A	Digitizing Oscilloscope Module	hp1653xa	4.x	Yes
16550A	State & Timing Analysis Module	hp16550a	4.x	Yes

## GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Hewlett-Packard (continued)</b>				
16554A	State & Timing Analysis Module	hp1655xa	4.x	Yes
16555A	State & Timing Analysis Module	hp1655xa	4.x	Yes
16556A	State & Timing Analysis Module	hp1655xa	4.x	Yes
33120A	Function/Arbitrary Waveform Generator	hp33120a	4.x, 3.1	Yes
34401A	Digital Multimeter	hp34401a	4.x, 3.1	Yes
53131A	225 MHz Universal Counter	hp5313xa	4.x, 3.1	
53132A	225 MHz Universal Counter	hp5313xa	4.x, 3.1	
53181A	Frequency Counter	hp53181a	4.x, 3.1	Yes
53310A	Modulation Domain Analyzer	hp53310a	4.x	Yes
54100A	Digitizing Oscilloscope	hp54100a	4.x, 3.1	
54110D	Digitizing Oscilloscope	hp54110d	4.x, 3.1	
54111D	1 GSa/s 2-Channel Digitizing Oscilloscope	hp54111d	4.x, 3.1	
54120A	Digitizing Oscilloscope Mainframe	hp54120a	4.x, 3.1	Yes
54200A	Digitizing Oscilloscope	hp54200a	4.x, 3.1	
54501A	10 MSa/s Digitizing Oscilloscope	hp54501a	4.x, 3.1	
54502A	400 MSa/s 2-Channel Digitizing Oscilloscope	hp54502	4.x, 3.1	
54503A	20 MSa/s Digitizing Oscilloscope	hp54503	4.x, 3.1	
54505B	300 MHz 2-Channel Digitizing Oscilloscope	hp545xxb	4.x, 3.1	Yes
54506B	300 MHz 4-Channel Digitizing Oscilloscope	hp545xxb	4.x, 3.1	Yes
54510A	Digitizing Oscilloscope	hp54510	4.x, 3.1	
54510B	300 MHz 2-Channel Digitizing Oscilloscope	hp545xxb	4.x, 3.1	Yes
54512B	300 MHz 4-Channel Digitizing Oscilloscope	hp545xxb	4.x, 3.1	Yes
54520A	Digitizing Oscilloscope	hp5452xa _shared/545xxa.llb	4.x, 3.1	
54522A	Digitizing Oscilloscope	hp5452xa _shared/545xxa.llb	4.x, 3.1	
54540A	Digitizing Oscilloscope	hp5454xa _shared/545xxa.llb	4.x, 3.1	
54542A	2 GSa/s Oscilloscope	hp5454xa _shared/545xxa.llb	4.x, 3.1	
54600A	Digitizing Oscilloscope	hp546xxx	4.x, 3.1	Yes
54601A	Digitizing Oscilloscope	hp546xxx	4.x, 3.1	Yes
54602B	Digitizing Oscilloscope	hp546xxx	4.x, 3.1	Yes
54610B	Digitizing Oscilloscope	hp546xxx	4.x, 3.1	Yes
54657	Measurement/Storage for 54600	hp54657a	4.x, 3.1	

## GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Hewlett-Packard (continued)</b>				
54720A	Digitizing Oscilloscope	hp54720	4.x, 3.1	
59501B	Power Supply Programmer	hp59501b	4.x, 3.1	
81530A	Power Sensor Module	hp8153a	4.x	Yes
81531A	Power Sensor Module	hp8153a	4.x	Yes
81532A	Power Sensor Module	hp8153a	4.x	Yes
81534A	Return Loss Module	hp8153a	4.x	Yes
81536A	Power Sensor Module	hp8153a	4.x	Yes
81551SM	Laser Source Module	hp8153a	4.x	Yes
81552SM	Laser Source Module	hp8153a	4.x	Yes
81553SM	Laser Source Module	hp8153a	4.x	Yes
81554SM	Laser Source Module	hp8153a	4.x	Yes
83620A	Synthesized Sweeper	hp836xxa	4.x, 3.1	Yes
83622A	Synthesized Sweeper	hp836xxa	4.x, 3.1	Yes
83623A	Synthesized Sweeper	hp836xxa	4.x, 3.1	Yes
83624A	Synthesized Sweeper	hp836xxa	4.x, 3.1	Yes
83630A	Synthesized Sweeper	hp836xxa	4.x, 3.1	Yes
83640A	Synthesized Sweeper	hp836xxa	4.x, 3.1	Yes
83642A	Synthesized Sweeper	hp836xxa	4.x, 3.1	Yes
83650A	Synthesized Sweeper	hp836xxa	4.x, 3.1	Yes
<b>Infratek</b>				
305	Wattmeter	it305a	4.x, 3.1	
<b>Iwatsu</b>				
DS6121	Digitizing Oscilloscope	iwds6121	4.x, 3.1	
DS6612	Digitizing Oscilloscope	iwds6612	4.x, 3.1	
<b>Keithley</b>				
192	Digital Multimeter	ke192	4.x, 3.1	
195A	Digital Multimeter	ke195	4.x, 3.1	
196	Digital Multimeter	ke196	4.x, 3.1	
197A	Digital Multimeter	ke197a	4.x, 3.1	
199	System Multimeter/Scanner	ke199	4.x, 3.1	
213	Voltage Source	ke213	4.x, 3.1	
220	Current Source	ke220	4.x, 3.1	
228	Voltage/Current Source	ke228	4.x, 3.1	

# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Keithley (continued)</b>				
230	Voltage Source	ke230	4.x, 3.1	
236	Source Measure Unit	ke236	4.x, 3.1	
237	High Voltage Source Measure Unit	ke237	4.x, 3.1	
238	High Current Source Measure Unit	ke238	4.x, 3.1	
485	Autoranging Digital Picoammeter	ke485	4.x, 3.1	
580	Micro Ohmmeter	ke580	4.x, 3.1	
617	Electrometer	ke617	4.x, 3.1	
705	Scanner	ke705	4.x, 3.1	
707	Switching Matrix Mainframe	ke707	4.x, 3.1	
2000	Digital Multimeter	ke2000	4.x, 3.1	
2001	System Multimeter/Scanner	ke2001	4.x, 3.1	
2002	Digital Multimeter	ke2002	4.x, 3.1	
6517	High Resistance Meter/Electrometer	ke6517	4.x, 3.1	
7001	Switch System	ke7001	4.x, 3.1	
7002	Switch System	ke7002	4.x, 3.1	
<b>Kepeco</b>				
BOP488	Power Supply	kepeco	4.x, 3.1	
SN488	Power Supply Programmer	kepeco	4.x, 3.1	
SNR488	Power Supply Programmer	kepeco	4.x, 3.1	
<b>Lakeshore</b>				
330	Auto-tuning Temperature Controller	lsci330	4.x, 3.1	
<b>LeCroy</b>				
LS-140	Digitizing Oscilloscope	lcls140	4.x, 3.1	
7200	Digitizing Oscilloscope	lc7200	4.x, 3.1	
9100	Arbitrary Function Generator	lc9100	4.x, 3.1	
9310	Digitizing Oscilloscope	lc93xx	4.x, 3.1	
9314	Digitizing Oscilloscope	lc93xx	4.x, 3.1	
9400	Digitizing Oscilloscope	lc9400	4.x, 3.1	
9420	Digitizing Oscilloscope	lc9420	4.x, 3.1	
9450	Digitizing Oscilloscope	lc9420	4.x, 3.1	
<b>Leybold Inficon</b>				
PG3	Vacuum Gauge Controller	lhpg3	4.x, 3.1	

# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Measurements Group</b>				
2000	A/D Converter	mg2000	4.x, 3.1	Yes
<b>Molelectron</b>				
JD2000	Joulemeter/Ratiometer	mljd2000	4.x, 3.1	
4001	Laser Energy Meter	ml4001	4.x, 3.1	
<b>Neff</b>				
System 470	Data Acquisition System	neff470	4.x, 3.1	Yes
<b>Newport</b>				
PMC200-P	Motion System	nppmc200	4.x, 3.1	
PM 500	Motion System	nppm500	4.x, 3.1	
835	Optical Power Meter	np835	4.x, 3.1	
855C	Programmable Controller	np855	4.x, 3.1	
<b>Nicolet</b>				
320	Digitizing Oscilloscope	nic320	4.x, 3.1	
400 Series	Oscilloscope	nic400	4.x, 3.1	
4094 A/B	Digitizing Oscilloscope	nic4094x	4.x, 3.1	
<b>Norma-Goerz</b>				
D6100	Wide Band Power Analyzer	ngd6100	4.x, 3.1	Yes
<b>Philips, See Fluke/Philips</b>				
<b>Pragmatic Instruments</b>				
2416A	Arbitrary Function Generator	pra2416a	4.x	Yes
<b>Precision Filters</b>				
6201	Filter	pf6201	4.x, 3.1	
6201C	Calibration Oscillator	pf6201	4.x, 3.1	
<b>Prema</b>				
4000	Digital Multimeter	pr4000	4.x, 3.1	
5000	Digital Multimeter	pr5000	4.x, 3.1	
6000	Digital Multimeter	pr6000	4.x, 3.1	
6031	Digital Multimeter	pr6031	4.x, 3.1	
<b>Racal-Dana</b>				
1250	Switch System	ri1250	4.x, 3.1	
1992	Counter	ri1992	4.x, 3.1	



# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
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## Racal-Dana (continued)

1994	Universal Counter	ri1994	4.x, 3.1	
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## ROD-L

M30	Amp Ground Tester	rodl	4.x, 3.1	
M100DC	HiPot Tester	rodl	4.x, 3.1	
M150AC	HiPot Tester	rodl	4.x, 3.1	
M300RT	Resistance Tester	rodl	4.x, 3.1	
M1088	GPIB Interface	rodl	4.x, 3.1	

## Rohde & Schwarz

FSEA 20	Spectrum Analyzer	rsfsex0	4.x	Yes
FSEA 30	Spectrum Analyzer	rsfsex0	4.x	Yes
FSEB 20	Spectrum Analyzer	rsfsex0	4.x	Yes
FSEB 30	Spectrum Analyzer	rsfsex0	4.x	Yes
 SME	Signal Generator	rssme	4.x	Yes
 SMHU 58	Signal Generator	rssmhu	4.x	Yes
 SMP	Signal Generator	rssmp	4.x	Yes
SMT	Signal Generator	rssmt	4.x	Yes
SMX	Signal Generator	rssmx	4.x, 3.1	Yes
SMY	Signal Generator	rssmy	4.x, 3.1	Yes
URE3	RMS/Peak Voltmeter	rsure3	4.x, 3.1	Yes

## Schlumberger, *See* Solartron

### Siemens

B3220	Digital Multimeter	sib3220	4.x, 3.1	
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### Solartron

1253	Gain-Phase Analyzer	sl1253	4.x, 3.1	
7061	Digital Multimeter	so7061	4.x, 3.1	
7081	Digital Multimeter	so7081	4.x, 3.1	
7151	Digital Multimeter	so7151	4.x, 3.1	

## Stanford Research

245	Computer Interface/NIM Crate	sr245250	4.x, 3.1	
250	Gated Integrator & Boxcar Averager	sr245250	4.x, 3.1	
DG535PG	Digital Pulse and Delay Generator	sr dg535	4.x, 3.1	
DS335	3 MHz Synthesized Function Generator	sr ds335	4.x, 3.1	

# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Stanford Research (continued)</b>				
DS340	15 MHz Synthesized Function Generator	srds340	4.x, 3.1	
DS345	30 MHz Synthesized Function Generator	srds345	4.x, 3.1	
400	Gated Photon Counter	sr400	4.x, 3.1	
510	Lock-In Amplifier	sr510	4.x, 3.1	
530	Lock-In Amplifier	sr530	4.x, 3.1	
630	Thermocouple Monitor	sr630	4.x, 3.1	Yes
715	LCR Meter	sr7xx	4.x, 3.1	Yes
720	LCR Meter	sr7xx	4.x, 3.1	Yes
810	Lock-In Amplifier	sr810	4.x, 3.1	
830	Lock-In Amplifier	sr830	4.x, 3.1	
850	DSP Lock-In Amplifier	sr850	4.x, 3.1	Yes
<b>Sun Electronic Systems Inc.</b>				
EC1X Series	Environmental Chamber	seec1xg	4.x	Yes
PC100	Temperature Controller	setc02g	4.x	Yes
PC100-2	Process Controller	sepcxxxg	4.x	Yes
PC1000	Process Controller	sepcxxxg	4.x	Yes
TC02	Temperature Controller	setc02g	4.x	Yes
<b>Tabor</b>				
8550	Function Generator	tab8550	4.x, 3.1	
8551	Function Generator	tab8551x	4.x, 3.1	
<b>Teac</b>				
RD-200T	PCM Data Recorder	tcrd200t	4.x, 3.1	
<b>Tektronix</b>				
AA 5001	Distortion Analyzer	tkaa5001	4.x, 3.1	
AFG 5101	Arbitrary/Function Generator	tkafg	4.x, 3.1	
AFG 5501	Arbitrary/Function Generator	tkafg	4.x, 3.1	
AWG 2041	Arbitrary Waveform Generator	tkwg2041	4.x	Yes
CG5001	Calibration Generator	tkcg5001	4.x, 3.1	
CG551AP	Calibration Generator	tkcg5001	4.x, 3.1	
CSA 803	Communications Signal Analyzer	tkcsa803	4.x, 3.1	
CTS 710	SONET/DS3/DS1 Test Set	tkcts710	4.x, 3.1	Yes
CTS 750	SDH/PDH Test Set	tkcts710	4.x, 3.1	Yes
DC 5004	Counter/Timer	tkdc5004	4.x, 3.1	


# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
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## Tektronix (continued)

DC 5009	Counter/Timer	tkdc5009	4.x, 3.1	
DC 5010	Counter/Timer	tkdc5010	4.x, 3.1	
DM 5010	Digital Multimeter	tkdm5010	4.x, 3.1	
DM 5110	Digital Multimeter	tkdm5110	4.x, 3.1	
DSA 600	Digitizing Analyzer	tkdsa600	4.x, 3.1	
FG 5010	Function Generator	tkfg5010	4.x, 3.1	
HFS 9003	Stimulus System	tkhf9003	4.x, 3.1	
PS 2510G	Power Supply	tkps251x	4.x, 3.1	Yes
PS 2511G	Power Supply	tkps251x	4.x, 3.1	Yes
PS 2520G	Power Supply	tkps252x	4.x, 3.1	Yes
PS 2521G	Power Supply	tkps252x	4.x, 3.1	Yes
PS 5004	Power Supply	tkps5004	4.x, 3.1	
PS 5010	Power Supply	tkps5010	4.x, 3.1	
RTD 710	Waveform Digitizer	tkrtd710	4.x, 3.1	
RTD 720	Digitizer	tkrtd720	4.x, 3.1	
SCD 1000	Digitizer	tksc1000	4.x, 3.1	
SCD 5000	Digitizer	tksc5000	4.x, 3.1	
SG 5010	Low Distortion Oscillator	tksg5010	4.x, 3.1	
SI 5010	Scanner	tksi5010	4.x, 3.1	
 TDS 210	2-Channel Digital Oscilloscope	tktds2xx	4.x	Yes
 TDS 220	2-Channel Digital Oscilloscope	tktds2xx	4.x	Yes
TDS 310	50 MHz Digitizing Oscilloscope	tktds3xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 320	100 MHz Digitizing Oscilloscope	tktds3xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 350	200 MHz Digitizing Oscilloscope	tktds3xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 420	150 MHz Digitizing Oscilloscope	tktds4xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 460	350 MHz Digitizing Oscilloscope	tktds4xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 520	500 MHz Digitizing Oscilloscope	tktds5xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 540	500 MHz Digitizing Oscilloscope	tktds5xx _shared/tktdsxxx.llb	4.x, 3.1	Yes

















# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Tektronix (continued)</b>				
TDS 620	500 MHz Digitizing Oscilloscope	tktds6xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 640	500 MHz Digitizing Oscilloscope	tktds6xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 644	500 MHz Digitizing Oscilloscope	tktds6xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 684	500 MHz Digitizing Oscilloscope	tktds6xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 744	500 MHz Digitizing Oscilloscope	tktds7xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 784	500 MHz Digitizing Oscilloscope	tktds7xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
TDS 820	6 GHz Digitizing Oscilloscope	tktds8xx _shared/tktdsxxx.llb	4.x, 3.1	Yes
 VM700A	Video Analyzer	tkvm700a	4.x	Yes
7D20	Digitizer	tk7d20	4.x, 3.1	
370A	Curve Tracer	tk370	4.x, 3.1	
371A	Curve Tracer	tk371	4.x, 3.1	
390AD	Digitizer	tk390ad	4.x, 3.1	
2212	60 MHz Digital Storage Oscilloscope	tk2212	4.x, 3.1	Yes
2216	60 MHz 4-Channel Digitizing Oscilloscope	tk2216	4.x, 3.1	Yes
2230	100 MHz Digitizing Oscilloscope	tk223x	4.x, 3.1	
2252	100 MHz Oscilloscope	tk2252	4.x, 3.1	
2430A	100 MS/s 150 MHz Digitizing Oscilloscope	tk2430a	4.x, 3.1	
2432	Digitizing Oscilloscope	tk2432	4.x, 3.1	
2440	500 MS/s 300 MHz Digitizing Oscilloscope	tk2440	4.x, 3.1	
2465A	Analog Oscilloscope	tk2465	4.x, 3.1	
2712	Spectrum Analyzer	tk2712	4.x, 3.1	Yes
2754P	Network Analyzer	tk2754	4.x, 3.1	
2782	Spectrum Analyzer	tk278x	4.x, 3.1	
2784	Spectrum Analyzer	tk278x	4.x, 3.1	
2792	Spectrum Analyzer	tk279x	4.x, 3.1	
2794	Spectrum Analyzer	tk279x	4.x, 3.1	
2795	Spectrum Analyzer	tk279x	4.x, 3.1	
2797	Spectrum Analyzer	tk279x	4.x, 3.1	
3001	Logic Analyzer	tk300x	4.x, 3.1	Yes

# GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Tektronix (continued)</b>				
3002	Logic Analyzer	tk300x	4.x, 3.1	Yes
7612D	Digitizer	tk7612	4.x, 3.1	
7854	700 MHz Waveform Processing Oscilloscope	tk7854	4.x, 3.1	
7912AD/HB	Digitizer	tk7912	4.x, 3.1	
11400	Digitizing Oscilloscope	tk11400	4.x, 3.1	
11800	Digitizing Oscilloscope	tk11800	4.x, 3.1	
<b>TTC</b>				
Fireberd 6000	Communications Analyzer	fb6000	4.x, 3.1	Yes
T-Berd 224	PCM Analyzer	tb224	4.x, 3.1	Yes
T-Berd 310	Communications Analyzer	tb310	4.x, 3.1	Yes
<b>Voltech</b>				
PM1200	Power Analyzer	vpm1200	4.x, 3.1	Yes
PM3000A	Universal Power Analyzer	vpm3000a	4.x, 3.1	Yes
<b>Wandel &amp; Goltermann</b>				
PJM-4S	Jitter Meter	wgppjm4	4.x, 3.1	Yes
PSM/SPM 37	Level Meter	wgspm139	4.x, 3.1	Yes
PSM/SPM 38	Level Meter	wgspm139	4.x, 3.1	Yes
PSM/SPM 39	Level Meter	wgspm139	4.x, 3.1	Yes
PSM/SPM 137	Level Meter	wgspm139	4.x, 3.1	Yes
PSM/SPM 138	Level Meter	wgspm139	4.x, 3.1	Yes
PSM/SPM 139	Level Meter	wgspm139	4.x, 3.1	Yes
SF60	Error and Jitter Meter	wgsf60	4.x, 3.1	Yes
<b>Wavetek</b>				
23	12 MHz Synthesized Function Generator	wt23	4.x, 3.1	
75	Arbitrary Waveform Generator	wt75	4.x, 3.1	Yes
271	12 MHz Pulse/Function Generator	wt271	4.x, 3.1	
295	Arbitrary Waveform Generator	wt295	4.x, 3.1	
395	Arbitrary Waveform Generator	wt395	4.x, 3.1	Yes
<b>Wiltron, See Anritsu Wiltron</b>				
<b>Xantrex</b>				
XXKW Series	Power Supply	xan_xkw	4.x, 3.1	

## GPIB Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Yokogawa</b>				
 DL1520	Digital Oscilloscope	ykd115xx	4.x, 3.1	Yes
 DL1540	Digital Oscilloscope	ykd115x0	4.x, 3.1	Yes
 DL1540L	Digital Oscilloscope	ykd115x0	4.x, 3.1	Yes
 DL2700	Digital Oscilloscope	ykd12700	4.x, 3.1	Yes
 FG110	Synthesized Function Generator	ykgf1xx	4.x, 3.1	Yes
 FG120	Synthesized Function Generator	ykgf1xx	4.x, 3.1	Yes
 FG210	Synthesized Function Generator	ykgf2xx	4.x, 3.1	Yes
 FG220	Synthesized Function Generator	ykgf2xx	4.x, 3.1	Yes
 FG310	Synthesized Function Generator	ykgf3xx	4.x, 3.1	Yes
 FG320	Synthesized Function Generator	ykgf3xx	4.x, 3.1	Yes
 TA320	Time Interval Analyzer	ykta320	4.x, 3.1	Yes
 WT1010	Digital Power Meter	ykwt1000	4.x, 3.1	Yes
 WT1030	Digital Power Meter	ykwt1000	4.x, 3.1	Yes
 WT1030M	Digital Power Meter	ykwt1000	4.x, 3.1	Yes
 WT2010	Digital Power Meter	ykwt20x0	4.x, 3.1	Yes
 WT2030	Digital Power Meter	ykwt20x0	4.x, 3.1	Yes



**Note:**

*You must have the LabVIEW VXI Development System to use the following VXIbus instrument drivers. Please check the manufacturer Web site for VXIPnP instrument drivers.*

## VXI Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>AD Data Systems</b>				
230122	96-Channel Switch	ad230122	4.x, 3.1	
<b>Bancomm</b>				
350VXI	Time and Frequency Processor	bc350vxi	4.x	Yes
<b>Cal-Av</b>				
9100	Trigger Delay	cal9001	4.x, 3.1	

**Colorado Data Systems, See Tektronix/CDS**

## VXI Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Cytec</b>				
CY/CX	Coaxial Matrix	cy_cx8x8	4.x, 3.1	
CY/8X8	Switch Matrix	cy_8x8	4.x, 3.1	
CY/48X48	Switch Matrix	cy_48x48	4.x, 3.1	
CY/32KC	Switch Module	cy_32kcp	4.x, 3.1	
CY/64K	Switch Module	cy_64k	4.x, 3.1	
CY/128	MUX	cy_128	4.x, 3.1	
<b>Datron Wavetek</b>				
1362	6.5-Digit Multimeter	dat1362	4.x, 3.1	
1362S	6.5-Digit Multimeter	dat1362s	4.x, 3.1	Yes
<b>EIP Microwave</b>				
1140A	Pulsed Microwave Synthesizer	eip114xa	4.x, 3.1	Yes
1141A	Pulsed Microwave Synthesizer	eip114xa	4.x, 3.1	Yes
1142A	Pulsed Microwave Synthesizer	eip114xa	4.x, 3.1	Yes
1230A	Microwave Counter	eip123x	4.x, 3.1	Yes
1231A	Microwave Counter	eip123x	4.x, 3.1	Yes
<b>Giga-tronics</b>				
58542	Peak and CW Power Meter	gt58542	4.x, 3.1	
<b>Hewlett-Packard</b>				
E1326A	5.5-Digit Multimeter	hpe1326a	4.x, 3.1	
E1328A	4-Channel D/A Converter	hpe1328a	4.x, 3.1	
E1330A/B	Quad 8-Bit Digital I/O	hpe1330	4.x, 3.1	
E1333A	3-Channel Universal Counter Timer	hpe1333a	4.x, 3.1	
E1340A	Arbitrary Function Generator	hpe1340a	4.x, 3.1	
E1345A	16-Channel Relay MUX	hpe1345a	4.x, 3.1	
E1346A	48-Channel Single-Ended Relay Matrix	hpe1346a	4.x, 3.1	
E1347A	16-Channel Thermocouple Relay MUX	hpe1347a	4.x, 3.1	
E1352A	32-Channel Single-Ended FET MUX	hpe1352a	4.x, 3.1	
E1355A	8-Channel 120 Ohm Strain Gauge Relay MUX	hpe1355a	4.x, 3.1	
E1356A	8-Channel 350 Ohm Strain Gauge Relay MUX	hpe1356a	4.x, 3.1	
E1410A	6.5-Digit Multimeter	hpe1410a	4.x, 3.1	
E1411A	5.5-Digit Multimeter	hpe1411a	4.x, 3.1	Yes
E1412A	6.5-Digit Multimeter	hpe1412a	4.x	Yes
E1413B	64-Channel Scanning A/D Converter	hpe1413b	4.x	Yes
E1416A	Power Meter	hpe1416a	4.x, 3.1	



## VXI Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Hewlett-Packard (continued)</b>				
E1420A/B	Universal Counter	hpe1420a	4.x, 3.1	
E1426A	500 MHz Digitizing Oscilloscope	hpe1426a	4.x, 3.1	
E1428A	1 GSa/s Digitizing Oscilloscope	hpe1428a	4.x, 3.1	
E1429A/B	20 MSa/s 2-Channel Digitizer	hpe1429x	4.x, 3.1	Yes
E1440A	21 MHz Function/Sweep Generator	hpe1440a	4.x, 3.1	
E1445A	Arbitrary Function Generator	hpe1445a	4.x, 3.1	
E1446A	Summing Amplifier/DAC	hpe1446a	4.x, 3.1	Yes
E1458A	96-Channel Digital I/O Module	hpe1458a	4.x	Yes
E1460A	64-Channel Relay MUX	hpe1460a	4.x, 3.1	
E1463A	32-Channel 5-Amp Switch	hpe1463a	4.x, 3.1	
E1465A	16 by 16 Relay Matrix	hpe1465a	4.x, 3.1	
E1466A	4 by 64 Relay Matrix	hpe1466a	4.x, 3.1	
E1467A	8 by 32 Relay Matrix	hpe1467a	4.x, 3.1	
E1468A	8 by 8 Matrix Switch	hpe1468a	4.x, 3.1	
E1469A	4 by 16 Matrix Switch	hpe1469a	4.x, 3.1	
E1472A	50 Ohm RF MUX	hpe1472a	4.x, 3.1	
E1473A	50 Ohm RF MUX Expander	hpe1473a	4.x, 3.1	
E1474A	75 Ohm RF MUX	hpe1474a	4.x, 3.1	
E1475A	75 Ohm RF MUX Expander	hpe1475a	4.x, 3.1	
E1476A	64-Channel Thermocouple Relay MUX	hpe1476a	4.x, 3.1	Yes
E1740A	150 MHz Time Interval Analyzer Card	hpe1740a	4.x, 3.1	Yes
<b>Interface Technology</b>				
DG600	Digital Word Generator	itdg600	4.x, 3.1	
IO100	Digital I/O Module	itio100	4.x, 3.1	
<b>Kinetic Systems</b>				
V215	32-Channel 16-bit A/D Converter	ksv215	4.x, 3.1	Yes
<b>North Atlantic</b>				
5388	Synchro/Resolver Processor	na5388	4.x, 3.1	
<b>Racal-Dana</b>				
1260-12	Relay Actuator	ri1260	4.x, 3.1	Yes
1260-13	Signal Switching/Relay Actuator Module	ri1260	4.x, 3.1	Yes
1260-20	Power Switching Module	ri1260	4.x, 3.1	Yes
1260-30	MUX	ri1260	4.x, 3.1	Yes
1260-35	High-Density Signal Scanner/MUX	ri1260	4.x, 3.1	Yes



## VXI Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Racal-Dana (continued)</b>				
1260-40	Matrix	ri1260	4.x, 3.1	Yes
1260-45	High-Density Switch Matrix	ri1260	4.x, 3.1	Yes
1260-54	1 GHz Terminated RF MUX	ri1260	4.x, 3.1	Yes
1260-64	18 GHz Microwave Switch	ri1260	4.x, 3.1	Yes
1277 Series	Switching Modules	ri1277	4.x, 3.1	
2251	Universal Counter/Timer	ri2251	4.x, 3.1	
2351	Time Interval Analyzer	ri2351	4.x, 3.1	Yes
<b>Schlumberger, See Solartron</b>				
<b>Solartron</b>				
SI 1270	Frequency Response Analyzer	slsi1270	4.x, 3.1	
<b>Talon</b>				
BE-64	Bus Emulator/Word Generator	tnbe_64	4.x, 3.1	
<b>Tektronix</b>				
VX4223	160 MHz Universal Counter/Timer	tkvx4223	4.x, 3.1	
VX4234	Digital Multimeter	tkvx4234	4.x, 3.1	
VX4236	6.5-Digit Multimeter	tkvx4236	4.x, 3.1	
VX4240	Waveform Digitizer/Analyzer	tkvx4240	4.x, 3.1	
VX4250	Waveform Tester	tkvx4250	4.x, 3.1	
VX4286	32-Channel Analog/Digital Input Module	tkvx4286	4.x, 3.1	
VX4332	40-Channel 2-Wire Relay Scanner Master	tkvx4332	4.x, 3.1	
VX4334	24-Channel 4-Wire Relay Scanner Master	tkvx4334	4.x, 3.1	
VX4353	32-Channel SPST Relay Switch	tkvx4353	4.x, 3.1	
VX4355	24-Channel DPST Relay Switch	tkvx4355	4.x, 3.1	
VX4356	20-Channel DPDT Relay Switch	tkvx4356	4.x, 3.1	
VX4357	32-Channel SPDT Relay Switch	tkvx4357	4.x, 3.1	
VX4363	32-Channel SPST Relay Switch	tkvx4363	4.x, 3.1	
VX4365	24-Channel DPST/SPDT Relay Switch	tkvx4365	4.x, 3.1	
VX4366	20-Channel DPDT Relay Switch	tkvx4366	4.x, 3.1	
VX4367	32-Channel SPDT Relay Switch	tkvx4367	4.x, 3.1	
VX4372	48-Channel 2-Wire Reed Relay Scanner Slave	tkvx4332	4.x, 3.1	
VX4374	24-Channel 4-Wire Reed Relay Scanner Slave	tkvx4334	4.x, 3.1	
VX4385	Matrix Switch	tkvx4385	4.x, 3.1	
VX4610	SDH/SONET Generator/Receiver Module	tkvx4610	4.x	Yes

## VXI Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
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### Tektronix (continued)

VX4730	12-Channel 16-Bit D/A Converter	tkvx4730	4.x, 3.1	
VX4750	Function Generator	tkvx4750	4.x, 3.1	
VX4790	Arbitrary Waveform Generator	tkvx4790	4.x, 3.1	
VX4801	40-Line Isolated Digital I/O	tkvx4801	4.x, 3.1	
VX4802	80-Line Digital I/O	tkvx4802	4.x, 3.1	

### Tektronix/CDS

73A-256	12-Channel 16-Bit D/A Converter	tkcds256	4.x, 3.1	
73A-270	Arbitrary Pulse Pattern Generator	tkcds270	4.x, 3.1	
73A-308	Relay and High Voltage Logic Driver	tkcds308	4.x, 3.1	
73A-332	40-Channel 2-Wire Reed Relay Scanner Master	tkcds332	4.x, 3.1	
73A-334	24-Channel 4-Wire Reed Relay Scanner Master	tkcds334	4.x, 3.1	
73A-342	Dual Programmable Resistance	tkcds342	4.x, 3.1	
73A-353	32-Channel SPST Relay Switch	tkcds353	4.x, 3.1	
73A-355	24-Channel DPST Relay Switch	tkcds355	4.x, 3.1	
73A-356	20-Channel DPDT Relay Switch	tkcds356	4.x, 3.1	
73A-357	32-Channel SPDT Relay Switch	tkcds357	4.x, 3.1	
73A-372	48-Channel 2-Wire Reed Relay Scanner Slave	tkcds332	4.x, 3.1	
73A-374	24-Channel 4-Wire Reed Relay Scanner Slave	tkcds334	4.x, 3.1	
73A-411	40-Line Isolated Digital I/O	tkcds411	4.x, 3.1	
73A-412	80-Line Digital I/O	tkcds412	4.x, 3.1	
73A-453	1-Channel MIL-STD-1553A/B Bus Simulator	tkcds45x	4.x, 3.1	
73A-455	2-Channel MIL-STD-1553A/B Bus Simulator	tkcds45x	4.x, 3.1	

### Wavetek

1375	20 MHz Arbitrary Function Generator	wt1375	4.x, 3.1	Yes
1391	50 MHz Pulse Generator	wt1391	4.x, 3.1	Yes
1395	50 MHz Arbitrary Function Generator	wt1395	4.x, 3.1	

## Serial Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
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### Aerotech Unidex

100	Motion Controller	au100s	4.x, 3.1	
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# Serial Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
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## Analog Devices

6B Series	Signal Conditioning I/O Modules	ad6b	4.x, 3.1	
µMac 6000	Modular I/O Processor	umac6000	4.x, 3.1	

## Anritsu Wiltron

S110 Series	Site Master	awsm2	4.x, 3.1	
S330 Series	Site Master	awsm2	4.x, 3.1	

## Eurotherm

808/847	Digital Controller	euro808	4.x, 3.1	
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## Fluke

97	Scope/Meter	flpm97	4.x, 3.1	
 99B	Scope Meter	fl99	4.x, 3.1	Yes
 105	Scope Meter	fl99	4.x	Yes
2625A	Hydra Data Acquisition Unit	fl2625a	4.x, 3.1	

## HBM

DMC	Digital Amplifier System	hbm_dmc	4.x, 3.1	
MGC	Measuring Amplifier System	hbm_mgc	4.x, 3.1	

## Mettler

PM4600	Balance	mett4600	4.x, 3.1	
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## Ohaus

GT Series	Balance	ohaus_gt	4.x, 3.1	
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## Pressure Systems Inc.

9010	16-Channel Intelligent Pressure Scanner (Optomux)	psi901x	4.x	
9015	8-Channel Intelligent Pressure Scanner (Optomux)	psi901x	4.x	
9030	Absolute Pressure Standard (Optomux)	psi903x	4.x	
9031	Differential Pressure Standard (Optomux)	psi903x	4.x	
9035	Absolute Pressure Controller (Optomux)	psi903x	4.x	
9036	Differential Pressure Controller (Optomux)	psi903x	4.x	




## Spex

CD2A	Spectrometer Drive System	spexcd2a	4.x, 3.1	
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## Sun Electronic Systems Inc.

EC1X Series	Environmental Chamber	seec1xs	4.x	Yes
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## Serial Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	VISA
<b>Sun Electronic Systems Inc. (continued)</b>				
PC100	Temperature Controller	setc02s	4.x	Yes
PC100-2	Process Controller	sepcxxxs	4.x	Yes
PC1000	Process Controller	sepcxxxs	4.x	Yes
TC02	Temperature Controller	setc02s	4.x	Yes
<b>Tektronix</b>				
222	Digitizing Oscilloscope	tk222	4.x, 3.1	
 TDS 210	2-Channel Digital Oscilloscope	tktds2xx	4.x	Yes
 TDS 220	2-Channel Digital Oscilloscope	tktds2xx	4.x	Yes
THS 710	Portable Oscilloscope	tkths7x0	4.x, 3.1	
THS 720	Portable Oscilloscope	tkths7x0	4.x, 3.1	
<b>Vaisala</b>				
QL150	Sensor Collector	qli50	4.x, 3.1	
<b>Yokogawa</b>				
 CA100	Compact Cal	ykca100	4.x	

## CAMAC Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	Controller
K-compatible with Kinetic Systems 3988 controller				
L-compatible with LeCroy 8901A controller				
<b>Controllers</b>				
<b>Kinetic Systems</b>				
3988	GPIB Crate Controller	ks3988	4.x, 3.1	K
<b>LeCroy</b>				
8901A	GPIB Crate Controller	lc8901x	4.x, 3.1	L
<b>Instruments</b>				
<b>BiRa</b>				
5301	ADC	bira5301	4.x, 3.1	K, L
<b>DSP Technology</b>				
2010	Digitizer	dsp_201x	4.x, 3.1	K

# CAMAC Instrument Drivers

Model Number	Instrument Type	Directories & Shared Files	LV	Controller
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K-compatible with Kinetic Systems 3988 controller

L-compatible with LeCroy 8901A controller

## DSP Technology (continued)

2012	Digitizer	dsp_201x	4.x, 3.1	K
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## Joerger

S12	Scaler	jgrs12	4.x, 3.1	L
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TR Series	Digitizer	jrg_tr	4.x, 3.1	K
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## Jorway

60A	Input Register	jwy60a	4.x, 3.1	L
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## Kinetic Systems

3074	Output Register	ks3074	4.x, 3.1	K, L
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3075	Output Register	ks3075	4.x, 3.1	K, L
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3112	DAC	ks3112	4.x, 3.1	K, L
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3361	Stepper Motor Controller	ks3361	4.x, 3.1	K
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3514	ADC	ks3514	4.x, 3.1	K, L
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3516	ADC	ks3516	4.x, 3.1	K, L
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3525	Temperature Monitor	ks3525	4.x, 3.1	K, L
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4010	Transient Recorder	ks4010	4.x, 3.1	K
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4020	Transient Digitizer	ks4020	4.x, 3.1	K
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## LeCroy

2228A	TDC	lc2228a	4.x, 3.1	K
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2249SG	ADC	lc2249sg	4.x, 3.1	K
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2256AS	Digitizer	lc2256as	4.x, 3.1	K, L
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4434	Scaler	lc4434	4.x, 3.1	L
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6810	Digitizer	lc6810	4.x, 3.1	L
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8210	Digitizer	lc8210	4.x, 3.1	L
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8232	ADC	lc8232	4.x, 3.1	K, L
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TR8818	Transient Recorder	lctr8818	4.x, 3.1	L
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TR8837F	Transient Recorder	lctr8837	4.x, 3.1	L
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## LRS

2550B	Scaler	lrs2550b	4.x, 3.1	K
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July 1997