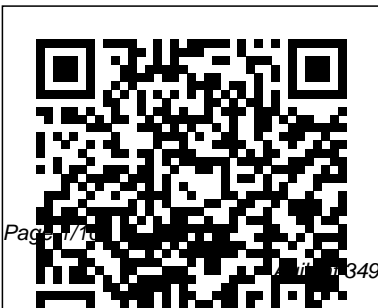

Agilent 34970a Programming Manual

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Keysight 34970A/34972A
Data Acquisition / Switch
Unit

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August 2007 Printed in Malaysia Agilent ...

Agilent 34980A SCPI

Programmer's Reference

Many of the SCPI commands

for the 34970A include a scan_list or ch_list parameter which allow you to specify one or more channels. The

channel number has the form (@scc), where s is the slot number (100, 200, or 300) and cc is the channel number. You can specify a single channel,

multiple channels, or a range of channels as shown below.

Using the Agilent 34970A with LabVIEW - National Instruments

Software drivers that support C, C#, Visual Basic, Visual Studio, Agilent VEE and National Instruments LabView are available for the

34970A/34972A to make integration into your test system easy. Standard RS-232 and GPIB interfaces on the 34970A or LAN and USB on the 34972A and SCPI

programming language make integration even easier.

Agilent 34970a Programming Manual

Notice: This document contains references to Agilent

Technologies.

Agilent's former

Test and Measurement

business has become

Keysight Technologies. For more information, go to www.keysight.com. This Help file contains reference information to help you program the Keysight 34970A/34972A over a remote interface using the programming language.

What is Included with a 34972A: First Time Setup of a 34972A Data Acquisition Unit ~~USB Data Logging with an Agilent 34972A Data Acquisition System~~ How to establish the connection between 34970A and PC via RS-232 cable *Data Logger Pro, Improving Time to Results with BenchLink Data Logger Pro Software* Agilent Technologies 34970A Data Acquisition \u0026amp; Switch

Unit Demonstration Making Humidity Measurements Using Agilent 34972A and Data Logging Connecting to a 34970A with RS232 and connecting to 34972A Data Acquisition Unit with LAN Making Humidity Measurements Using 34972A and Data Logging Test and Measurement Basics - DAQ | Episode 3 – Unboxing Modules for the 34970A/34972A

Agilent 34970A Data Acquisition Switch Unit #62131 Test and Measurement Basics - DAQ | Episode 1 - 90-Second Measurement with DAQ *Programming in DAQExpress* EEVblog #489 - Agilent 34461A Multimeter Review ~~Test and Measurement Basics – DAQ | Episode 9 – AC Voltage and Current Measurements Control GPIB, USB and RS-232 instruments easily | E5810B LAN/GPIB/USB Gateway~~ Digital Multimeter

Programming in Visual Studio
Test and Measurement Basics - DAQ | Episode 12 – Automated Data Logging with the 34972A
BenchVue Visual Basic for Excel, Simple Example Program to Control Instruments
Measuring Rotational Speed Using an Oscilloscope and a 34972A
Test and Measurement Basics – DAQ | Episode 11 – 2-Wire and 4-Wire Resistance Measurements
How to troubleshoot serial RS232 communications
How to Make Temperature Measurements with a DAQ Inbox 0003: HP Agilent 34970A from Chipper6
Data Logger Pro Software for the 34970A, 34972A and 34980A
Flow Diagrams, Sequencing USB Data Logging with 34972A
Data Acquisition System #639
Transistor Curve Tracer (part 1)
Test and Measurement Basics - DAQ | Episode 8 – Connecting the 34970A to PC

via RS-232 Interface Data Logger Pro Software for the Agilent 34970A, 34972A and 34980A
Agilent Technologies Improving Time to Results with BenchLink Data Logger Pro Writing Your First LabVIEW Program

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Using the Agilent 34970A with LabVIEW - National Instruments

What is Included with a 34972A: First Time Setup of a 34972A Data

Acquisition Unit ~~USB Data~~ #62131
~~Logging with an Agilent~~
~~34972A Data Acquisition~~
~~System~~ **How to establish**
the connection between
34970A and PC via RS-232
cable *Data Logger Pro,*
Improving Time to Results
with BenchLink Data Logger
Pro Software Agilent
Technologies 34970A Data
Acquisition \u0026 Switch
Unit Demonstration Making
Humidity Measurements
Using Agilent 34972A and
Data Logging **Connecting**
to a 34970A with RS232
and connecting to 34972A
Data Acquisition Unit with
LAN Making Humidity
Measurements Using
34972A and Data Logging
Test and Measurement
Basics - DAQ | Episode 3 –
Unboxing Modules for the
34970A/34972A

Agilent 34970A Data
Acquisition Switch Unit

Test and
Measurement Basics -
DAQ | Episode 1 -
90-Second Measurement
with DAQ *Programming in*
DAQExpress **EEVblog #489**
- Agilent 34461A
Multimeter Review Test
~~and Measurement Basics -~~
~~DAQ | Episode 9 - AC~~
~~Voltage and Current~~
~~Measurements~~ *Control*
GPIB, USB and RS-232
instruments easily | E5810B
LAN/GPIB/USB Gateway
Digital Multimeter
Programming in Visual
Studio **Test and**
Measurement Basics -
DAQ | Episode 12 –
Automated Data Logging
with the 34972A \u0026
BenchVue Visual Basic for
Excel, Simple Example
Program to Control
Instruments **Measuring**
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~~Transistor Curve Tracer (part 1)~~
Test and Measurement Basics - DAQ / Episode 8 – Connecting the 34970A to PC via RS-232 Interface
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Pro Writing Your First LabVIEW Program
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[Agilent 34970A/72A Command Reference](#)
LabVIEW is an industry-standard graphical programming environment that can be used to quickly and easily acquire, analyze, and present data from the 34970A. NI provides a free

LabVIEW instrument driver for the 34970A, which gives you programmatic control over the unit from your PC, while having to do little or no programming yourself.

[Agilent 34970A Data Acquisition/ Switch Unit Family](#)

Agilent 34972A User's Manual Download Operation & user's manual of Agilent Technologies 34970A Data Loggers, Switch for Free or View it Online on All-Guides.com.

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Keysight 34970A/34972A Data Acquisition/Switch Unit

This manual contains getting started, configuration, programming and specifications for the 34970A and 34972A. ...

This Help file contains reference information to help you program the 34970A and 34972A data acquisition / switch units over the remote interface using the SCPI programming language. Help File 2013-03-27 ZIP 1.04 MB BenchLink Data Logger 3 Getting Started Guide. This getting ...

Agilent Technologies 34970A User Manual

The Agilent 34970A consists of a three-slot mainframe with a built-in 6 1/2 digit digital multimeter (Option 001, removes the DMM). Each channel can be configured independently to measure one of 11 different functions without the added cost or hassles of signal-conditioning accessories. Choose from eight optional plug-in modules to create a compact data logger, full-featured data acquisition ...

HP 34401A Multimeter

Page 6 The Agilent 34970A is easy to use for a multitude

of data logging and monitoring applications, either stand-alone or with a computer. Its flexible, modular design makes it scalable from 20 to 120 channels, and lets you add actuator, digital I/O, and analog output channels for simple control. Page 7: Data Logging Feature Checklist *34970A Data Acquisition / Data Logger Switch Unit | Keysight*

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Agilent 34970a Programming Manual

Agilent 34980A Multifunction Switch/Measure Unit

Programmer's Reference This Help file contains reference information to help you program the Agilent 34980A over the remote interface using the SCPI programming language. The 34980A supports the SCPI command language on all of its remote I/O interfaces. Introduction to the SCPI Language

Commands A-Z

Technical Support: 34970A Data Acquisition / Data Logger ...

34970A Data Acquisition / Data Logger Switch Unit | Keysight 3-slot data acquisition / data logger unit with built-in DMM, 8 different switch & control plug-in modules. Keysight has the data logger to meet your needs. Here's the page we

Commands A-Z

Technical Support: 34970A Data Acquisition / Data Logger ...

34970A Data Acquisition / Data Logger Switch Unit | Keysight 3-slot data

acquisition / data logger unit with built-in DMM, 8 different switch & control plug-in

modules. Keysight has the data logger to meet your

needs. Here's the page we

think you wanted.

[Agilent 34970A Calibration & Repair, Agilent 34970A Manual ...](#)

The Agilent 34970A offers unequaled-versatility for your data acquisition applications. In the past, you had to make a choice. On the one hand, you could choose the simple operation and low cost of a data logger. On the other hand, you had the flexibility and higher performance of a modular data acquisition system.

[Agilent Technologies 34970A Switch Operation & user's ...](#)

Learn how LabVIEW can help you control and automate your Agilent 34970A. LabVIEW is an industry-standard graphical programming environment that can be used to quickly and easily acquire, analyze,

and present data from the 34970A. National Instruments provides a free LabVIEW instrument driver for the 34970A, which gives you programmatic control ...

[Agilent 34970A/34972A Data Acquisition / Switch Unit](#)

- Standard programming languages: SCPI, HP 3478A, and Fluke 8840 ... Multimeter is using manual ranging (autorange is disabled).

Multimeter is waiting for a single trigger or external trigger. Reading Hold is enabled. Turns on when reading memory is enabled. Multimeter is in dcv:dcv ratio function. A math operation is enabled (null, min-max, dB, dBm, or limit test). Hardware or remote ...

Agilent performance at a fraction of the cost of other ...

Agilent 34970A/34972A Data Acquisition/Switch Unit Note: Unless otherwise indicated, this manual applies to all serial numbers. The Agilent

Technologies 34970A/34972A
combines precision measurement
capability with flexible signal
connections for your production
and development test systems.
Three module slots are built into
the rear of the instrument to
accept any combination of data ...