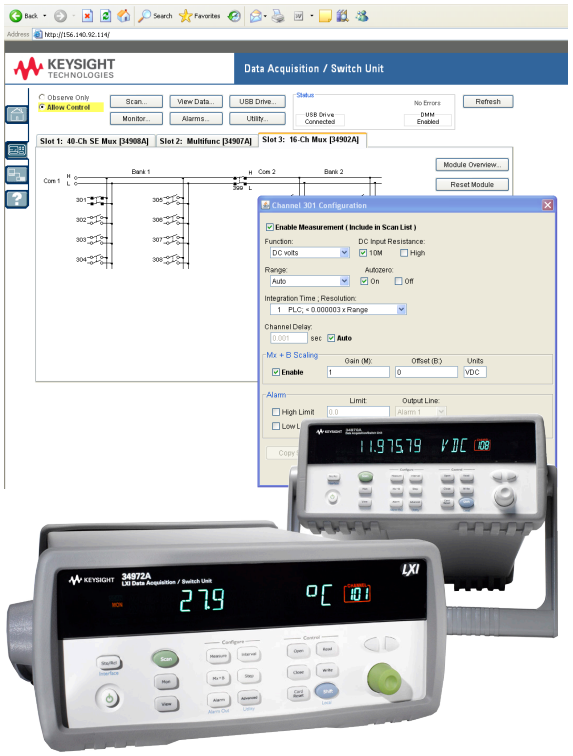
Product Fact Sheet

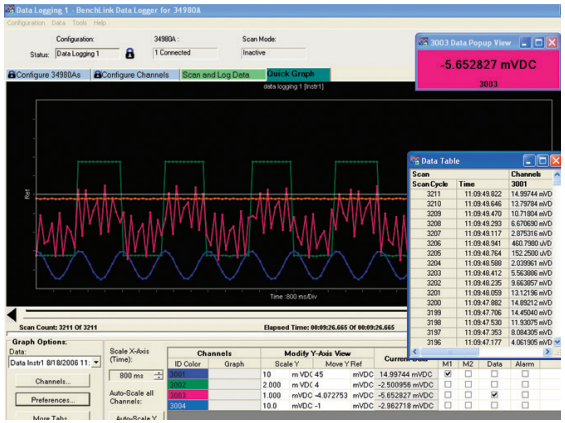
Keysight E34970A and 34972A Data Acquisition and Switching

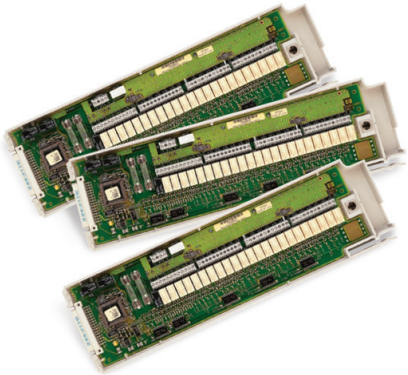
The 34970A is an industry leader in small to medium applications. The 34972A offers LAN and USB so customers can easily connect, configure and acquire data on the bench, on the network or in the field. The 34980A extends the capability for medium to large scale applications:



High quality switching with built-in 6 ½ Digit Digital Multimeter (DMM)

- Wide variety of switching: General purpose, multiplexer, matrix, RF, µW, and µW relay driver
- Internal DMM measures DC/AC voltage and current, resistance, temperature, frequency/totalize
- Digital to analog converters for analog output
- Digital input and output





Key features

- 34970A/34972A LXI DAC/switch unit (3-slot, up to 60 2-wire channels)
- Internal 6 ½ DMM for precision measurements
- Easy-to-read display to monitor the setup and measured values
- Easy-to-use front panel for manual setup control
- 34970A computer interfaces: GPIB, RS-232
- 34972A computer interfaces: LAN, USB
- 34972A: Adds graphical web interfaces and USB memory port for remote applications
- Eight different plug-in modules for 34970 & 34972
- SCPI programming language, drivers and data logger software included

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Uncompromising performance

- High precision measurements
- High quality switching
- High productivity software

34970A/34972A plug-in modules

Part	Description	MSRP
34901A	20 channel GP mux	$509
34902A	16 channel hi speed mux	$619
34908A	40 channel Single-Ended mux	$524
34903A	20 channel actuator/switch	$438
34904A	4x8 matrix	$549
34905A	50 Ω RF mux	$802
34906A	75 Ω RF mux	$802
34907A	Multifunction	$410

34970A/34972A data acquisition accessories

Part	Description	MSRP
34830A	BenchLink Data Logger Pro Software license	$822
34307A	10-pack J-type thermocouples	$114
34308A	5-pack 10-kΩ thermistors	$102

For more information on Keysight switches please visit:

- www.keysight.com/find/34970A
- www.keysight.com/find/34972A
- www.keysight.com/find/34980A

Please consult with your distributor for final pricing.

Three-Year Warranty

www.keysight.com/find/ThreeYearWarranty

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.

Keysight Assurance Plans

www.keysight.com/find/AssurancePlans

Up to five years of protection and no budgetary surprises to ensure your instruments are operating to specification so you can rely on accurate measurements.

Everything you need to know about the mainframes

Features	34970A	34972A
Analog measurements	Voltage, current, resistance, frequency and temperature	
Digital IO	Up to 48 bits	
Analog output	–10 V to +10 V, 20 mA	
Multiplexing	Max 120 1-wire, 60 2-wire	
Matrix	Max 96 crosspoints	
General purpose	Max 60 switches	
RF multiplexing	Max 24 channel, 2 GHz	
Graphical web interface	N/A	Yes
USB memory port	N/A	Yes
Interface	GPIB, RS-232	LAN, USB
MSRP	$1,690	$1,952

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This information is subject to change without notice.
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Published in USA, August 3, 2014
5989-8706EN
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