

Keysight 34970A 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:



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

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

- Wide variety of switching: General purpose, multiplexer, matrix, RF, μ W, and μ W 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



Learn more at: www.keysight.com

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Uncompromising performance

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

34970A/34972A plug-in modules

| Part | Description |
|--------|-----------------------------|
| 34901A | 20 channel GP mux |
| 34902A | 16 channel hi speed mux |
| 34908A | 40 channel Single-Ended mux |
| 34903A | 20 channel actuator/switch |
| 34904A | 4x8 matrix |
| 34905A | 50 Ω RF mux |
| 34906A | 75 Ω RF mux |
| 34907A | Multifunction |

34970A/34972A data acquisition accessories

| Part | Description |
|--------|--|
| 34830A | BenchLink Data Logger Pro Software license |
| 34307A | 10-pack J-type thermocouples |
| 34308A | 5-pack 10-k Ω thermistors |

Learn more at: www.keysight.com

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 |

Please consult with your distributor for final pricing.

For more information on Keysight switches please visit:

www.keysight.com/find/34970A

www.keysight.com/find/34972A

www.keysight.com/find/34980A

KEYSIGHT SERVICES

Accelerate Technology Adoption. Lower costs.

www.keysight.com/find/services

Keysight Services helps you improve productivity and product quality with our comprehensive service offerings of one-stop calibration, repair, asset management, technology refresh, consulting, training, and more.