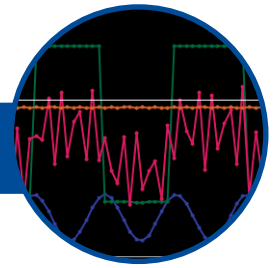


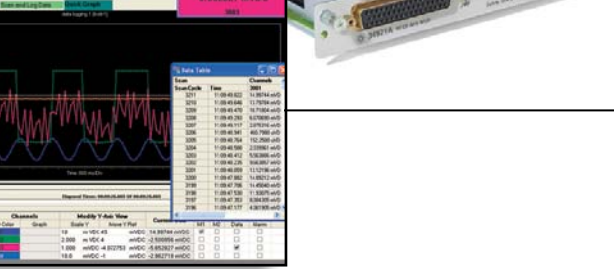
Agilent 34970A and 34980A Data Acquisition and Switching



From DC to Microwave, Agilent's DAQ/Switching products fit the most demanding applications

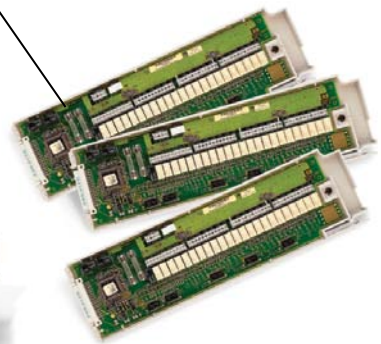
The 34970A is an industry leader in small to medium size applications while the 34980A extends the capability for medium to large scale applications:

1. 34970A DAC/Switch Unit (3-slot, up to 60 2-wire channels)
2. 34980A DAC/Switch Unit (8-slot, up to 560 2-wire channels)
3. Internal 6 1/2 DMM for precision measurements
4. Easy-to-read display to monitor the setup and measured values
5. Easy-to-use front panel for manual setup control
6. 34970A Computer interfaces: GPIB, RS-232
7. 34980A Computer interfaces: GPIB, USB and LAN (LXI)
8. Seven different plug-in modules for 34970A
9. Twenty-one different plug-in modules for the 34980A
10. SCPI programming language, drivers and Data Logger software included



High quality switching with built-in 6 1/2 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



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Authorized Distributor

Uncompromising Performance

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

34970 Plug-in Modules

Part #	Description	Price (US\$)
34901A	20 Chan GP Mux	\$481
34902A	16 Chan Hi Speed Mux	\$567
34908A	40 Chan SE Mux	\$481
34903A	20 Chan Actuator/Switch	\$414
34904A	4x8 Matrix	\$481
34905A	50 ohm RF Mux	\$758
34906A	75 ohm RF Mux	\$758
34907A	Multifunction	\$360

Accessories

Part #	Description	Price (US\$)
10833A/B/C/D/F/G	GPIB cable	\$77 to \$130
82350B	PCI high-performance GPIB card	\$531
82351A	PCIe-GPIB interface card	\$551
82357B	USB/GPIB interface (34970A only)	\$541
E5813A	Networked 5-port USB hub (34970A only)	\$481
E5810A	GPIB to LAN Gateway (34970A only)	\$1,112

Everything you need to know about the Mainframes

Features	34970A	34980A
Analog Measurements	Voltage, current, resistance, frequency & temperature	
Digital IO	Up to 48 bits	Up to 512 bits
Analog Output	-10 V to +10 V, 20 mA	
Multiplexing	Max 120 1-wire, 60 2-wire	Max 640 1-wire, 560 2-wire
Matrix	Max 96 crosspoints	Max 4096 crosspoints
General Purpose	Max 60 switches	Max 256 switches
RF Multiplexing	Max 24 chan, 2 GHz	Max 128 chan, 3 GHz
µWave Switching	na	Max 24 chan, 26 GHz
µWave Switch/Attenuator Drive	na	See Agilent µWave Switches
Interface	GPIB, RS-232	GPIB, USB, LAN
Mainframe Price (US\$)	\$1,561	\$2,447

34980 Plug-in Modules

Part #	Description	Price (US\$)	Part #	Description	Price (US\$)
34921A	40 Chan Mux w/ Temp	\$810	34941A	Quad 1x4 50-ohm Mux	\$1,611
34922A	70 Chan Armature Mux	\$1,309	34942A	Quad 1x4 75-ohm Mux	\$1,611
34923A	40/80 Chan Reed Mux	\$1,014	34945A	µWave Switch/Atten Driver	\$1,202
34924A	70 Chan Reed Mux	\$1,510	34946A	Dual 1x2 SPDT 4 & 20 GHz - Opt 004 2-N1810TL 4 GHz Term Sw - Opt 020 2-N1810TL 20 GHz Term Sw - Opt 026 2-N1810TL 26.5 GHz Term Sw	\$818 \$1,503 \$1,739 \$1,798
34925A	40/80 Chan FET Mux	\$1,208	34947A	Triple 1x2 SPDT 4 & 20 GHz - Opt 004 3-N1810UL 4 GHz Unterm Sw - Opt 020 3-N1810UL 20 GHz Unterm Sw - Opt 026 3-N1810UL 26.5 GHz Unterm Sw	\$818 \$1,265 \$1,471 \$1,628
34931A	Dual 4x8 Armature Matrix	\$912	34950A	64-bit Digital I/O with Counter	\$1,208
34932A	Dual 4x16 Armature Matrix	\$1,510	34951A	4 Chan Isolated DAC	\$1,015
34933A	Dual/Quad 4x8 Reed Matrix	\$1,015	34952A	Multi-func DIO DAC Totalize	\$709
34934A	Quad 4x32 Reed Matrix	\$5,109	34959A	Breadboard	\$504
34937A	32 Chan Form C/Form A	\$912			
34938A	20 Chan 5A Form A	\$1,106			
34939A	64 Chan Form A	\$1,197			



Many 34980A modules are available as in the standalone, LXI-compliant form factor.

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