

Mainframe Specifications and Characteristics

Agilent 16700 Series Technical Information

System Software

All features and functionality described in this document are available with system software version A.02.20.00

Mass Storage

Hard Disk Drive	9 GB formatted disk drive
Floppy Disk Drive	1.44 MB formatted
• Capacity	3.5 inch floppy
• Media	MS-DOS (Read, write, format), LIF (Read only)
• Formats	

Internal System RAM

Standard	128 MB
Option 003 (Must be ordered at time of frame purchase)	256 MB total

Supported Monitor Resolutions

Standard	640 x 480 through 1280 x 1024 (The 16702B has a built-in 800 x 600, 12.1" (26.2mm) diagonal monitor.)
Option 003 (Must be ordered at time of frame purchase)	Adds support for up to 1600 x 1200

LAN, IEEE 802.3

Physical Connectors	16700B Series: 10BaseT/100BaseT-X (ethertwist): RJ-45 16700A Series: 10BaseT (ethertwist): RJ-45; 10Base2: BNC
Protocols Supported	TCP/IP NFS CIFS (Windows® 95/98/NT) [1] FTP NTP PCNFS
X-Window Support	X Window system version 11, release 6, as a client and server

[1] User and share level control supported for Windows NT® 4.0. Share level control only supported for Windows 95/98.

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Agilent 16700 Series Technical Information (continued)

Web Server	
Supported from Instrument Web Page	Measurement status check, remote display, installation of PC application software, link to Agilent's Test and Measurement site
PC Requirements	Pentium® (family) PC (200 MHz, 32 MB RAM) running Windows 95, Windows 98, or Windows NT 4.0 with service pack 3 or higher
Supported Web Browsers (on Your PC or Workstation)	Internet Explorer 4.0 or higher, Netscape 4.0 or higher
IntuiLink Support	
Installation of PC Application Software	Directly from instrument web page
MS Excel	Excel 97 Version 7.0 or later. Excel limits maximum trace depth to 64K per sheet.
Available Data Formats	
Fast Binary (Compressed Binary Format)	High performance transfer rate. Includes source code to parse data. Available via File Out.
Uncompressed Binary	Includes utility routines. Available via RPI.
ASCII	Provides same format as listing display, including inverse-assembled data. Available via RPI and File Out.
Pattern Generator Binary	Used to load large amount of stimulus (> 1M) into the 16720A pattern generator
Intermodule Bus (IMB)	
Time Correlation Resolution	2 ns
Port In/Out	
Connectors	BNC

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Agilent 16700 Series Technical Information (continued)

Port In

Levels	TTL, ECL, or user defined
Input Resistance	4 K Ω
Input Voltage	-6V at -1.5 mA to +6V at 1.6 mA

Port Out

Levels	3V TTL compatible into 50 Ω
Functions	Latched (latch operation is module dependent) Pulsed, width from 66 ns to 143 ns

Target Control Port

Number of signals	8
Levels	3V TTL compatible
Connector	2 rows of 5 pins, 0.1-inch centers

Operating Environment

Temperature	
• Instrument	0°C to 50°C (32°F to 122°F)
• Disk Media	10°C to 40°C (50°F to 104°F)
• Probes/Cables	0°C to 65°C (32°F to 149°F)
Altitude	To 3000m (10,000 ft)
Humidity	8 to 80% relative humidity at 40°C (104°F)

Printing

Printer Interface	Parallel interface for Centronics compatible printers
Printers Supported	PostScript printers and printers which support the HP Printer Control Language (PCL)
Graphics	Graphics can be printed directly to the printer or to a file. Graphic files can be created in black-and-white or color TIFF format, PostScript, PCX, or XWD formats