

DATA COMMUNICATIONS TEST EQUIPMENT

WAN and LAN Protocol Analyzers

HP 4955A and HP 4972A

495



HP 4955A

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HP 4955A Protocol Analyzer

The HP 4955A Protocol Analyzer is a high level tool for R&D and manufacturing, as well as for network performance analysis. In addition to the standard capabilities provided within the protocol analyzer family, the HP 4955A offers **BASIC programming, HP-IB control, a real-time clock, and dual tape drives.**

Troubleshooting is straightforward with the softkey driven menus. The datacomm-enhanced BASIC (option 001) programming language can be used for sophisticated analysis or for unique applications. BASIC uses many of the menu routines, maintaining softkey ease-of-use, while giving you the capability to write your own programs as needed. The HP 4955A, combined with the **HP 18150JA X.25 Conformance Testing and Certification System**, provides you with a very powerful tool for certifying equipment for use in X.25 networks. This package contains more than 700 individual test sequences for verifying conformance to the CCITT X.25 specification. These tests were designed in accordance with the National Bureau of Standard's X.25 verification procedure, FS 1041/FIPS 100. This package also contains a link level DTE and DCE emulation program which allows easy packet level testing by automatically handling the link level. Together, the HP 4955A and HP 18150JA, offer an extremely powerful X.25 problem-solving system.

Please call the HP sales office near you for more information and/or a demo of this product.

HP 4972A LAN Protocol Analyzer

The HP 4972A is a high-performance protocol analyzer for managing performance and for troubleshooting problems on your IEEE 802.3 or Ethernet local area network. The HP 4972A provides accurate and complete information under all operating conditions.

Performance Management

To assist in the management of network performance, the HP 4972A provides statistical information about network, node or connection-level utilization. Errors and other operating parameters are measured and counted for each node. Automatic test sequences make it easy to set up long-term tests and repeat the tests at regular intervals. Users can even define their own parameters for statistical measurements. The performance management software will help you fine tune your network. To keep it running - and running well.



HP 4972A



Troubleshooting

The 4972A is also equipped for troubleshooting when sudden changes or unavoidable circumstances take your network down. The softkey-guided programming language can help you test for troublesome network conditions as they occur or you can log network events to the disc and use the same program to sort them out afterwards. A user-definable display format helps you define critical information from each frame displayed.

Performance analysis software lets you measure network utilization, identify busy or error-prone nodes, monitor connections between nodes and evaluate the traffic profile of your network over periods of days, weeks or months.

Softkey-guided programming language allows you to write your own application programs and selectively capture frames from the network. It makes programming easy, even for the first time user. 20 Mbyte internal disc stores test setups, programs and statistical or frame data.

Printer or plotter output enables you to print test setups, programs or data on the HP 2225A ThinkJet printer. Graphical displays can be plotted on the ThinkJet printer or any of several HP pen plotters.

Composite video output for external monochrome display.

Optional color RGB outputs are available for external color display of statistics measurements.

Optional remote interface permits the analyzer to be controlled by another HP 4972A via RS-232C/V.24 link.

Electromagnetic compatibility: Tested for compliance with VDE 0871 Level B, radiated and conducted.

Physical Specifications

Dimensions

44.9 cm × 43.1 cm × 55.8 cm (7.75 in. × 17 in. × 22 in.) Rack mountable

Weight

19 kg (42 lb)

Ordering Information

HP 4972A: LAN Protocol Analyzer
Opt. 001: Adds RGB color video outputs
Opt. 002: Adds Remote Interface
Opt. 908: Adds Rack Mount Kit

Price
\$17,000
\$1,500
\$565
\$30