

### HP 4951C and HP 4952A Protocol Analyzers

The HP 4951C (19.2 kbps) and HP 4952A (64 kbps synchronous, 19.2 kbps asynchronous) are portable protocol analyzers used for troubleshooting during installation, maintenance and design of data communications networks and equipment.

#### Applications

The HP 4951C and HP 4952A allow you to **monitor and decode data transmission, test remote facilities from your location, simulate network components, and perform bit error rate tests.** They can also be used as **asynchronous terminals.**

Protocols that can be tested include Async, BSC, SDLC (NRZI), HDLC, X.25, SNA, DDCMP and user-defined protocols. The HP 4952A also tests X.21.

#### HP 4951C and HP 4952A Features

**Autoconfigure** enables you to automatically determine line parameters and start monitoring data with the push of a key.

**3 1/2" micro floppy disc** stores 618 Kbytes of data, timing, lead status, programs and configurations.

**RS-170 video port** lets you view data externally. Printouts to all RS-232C/V.24/ASCII printers via a separate port.

**Nonvolatile memory** stores data, programs and configurations.

#### Additional HP 4952A Features

- 64 kbps
- 3/4 Mbyte extended capture buffer (Option 002)
- Nonvolatile application storage (Option 002)
- Unattended remote testing
- Cursor timing
- Enhanced programming features: run time user comments, softkey triggering, subroutines.
- Buffer data filtering to maximize capture buffer
- Selective store to disc
- Complete disc copying capability

#### Datacomm Solutions

##### X.25 and SNA Link Level Performance Analysis

With specialized software, the HP 4952A can be transformed into a statistical performance analyzer for the link level (level 2) of SNA and X.25 networks (SDLC and HDLC respectively). The HP 18264A provides link level statistics for the HP 4952A.

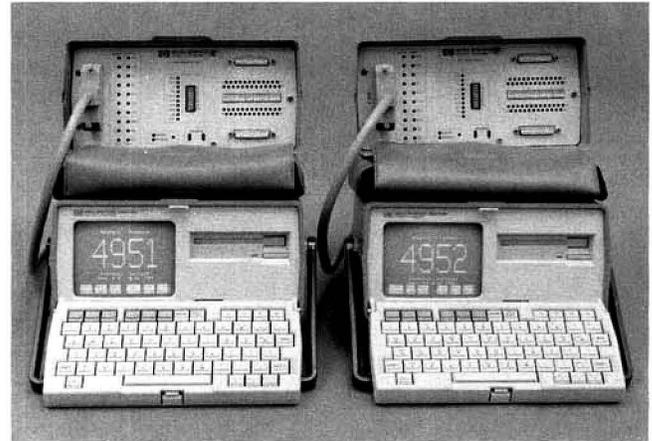
This solution provides a new way for network troubleshooters to look at data communications links. Key link events indicate the health of the network and are displayed in both columns and bar charts. These statistics can be stored to disc and reviewed at a later time. Printer capability is provided when hardcopy results are necessary.

##### 3270 Installation and Maintenance

If you have IBM 3270 or compatible terminal systems, you know that problems with newly installed or suspect systems can devastate hosts and users. The **HP 18332D** (for the HP 4951C) and **HP 18263A** (for the HP 4952A) **3270 installation and maintenance software packages** provide easy, automatic, offline testing of multiple 3270 clusters by emulating many of the functions of a host computer.

##### HP 4951C/4952A Data Communications Test Library

This convenient data communications test library is included with every HP 4951C and HP 4952A at no additional cost. The library contains over 100 general purpose monitor and simulate programs on a single 3 1/2-inch floppy diskette to help you evaluate your network quickly and easily. Programs are written for common configurations of the protocol analyzer and diagnose common datacomm problems. Documentation is provided to tailor the programs for special configurations and applications. The library also contains several installation and acceptance tests for printers and terminals.



#### Ordering Information

	<b>Price</b>
<b>HP 4951C: Protocol Analyzer</b> (interface pod not included)	\$3750
<b>Opt. 101:</b> Adds <b>HP 18174A</b> RS-449/422A/423A interface pod	\$500
<b>Opt. 102:</b> Adds <b>HP 18180A</b> RS-232C/V.24 and RS-449/422A/423A interface pod	\$900
<b>Opt. 103:</b> Adds <b>HP 18179A</b> RS-232C/V.24 interface pod with full breakout box	\$650
<b>Opt. 105:</b> Adds <b>HP 18177A</b> V.35 interface pod	\$700
<b>Opt. 908:</b> Rack mount kit	\$400
<b>Opt. W30:</b> 2 additional years of return-to-HP service	\$170
<b>HP 18331D:</b> SNA, DDCMP, X.25 analysis	\$350
<b>HP 18332D:</b> 3270 installation and maintenance software	\$350
<b>HP 18347A/X:</b> Customer training course	\$300

<b>HP 4952A: Protocol Analyzer</b> (interface pod not included)	\$6600
<b>Opt. 002:</b> Extended memory plus	\$1500
<b>Opt. 101:</b> Adds <b>HP 18174A</b> RS-449/422A/423A interface pod	\$500
<b>Opt. 102:</b> Adds <b>HP 18180A</b> comb. RS-232C/V.24 and RS-449/422A/423A interface pod	\$900
<b>Opt. 103:</b> Adds <b>HP 18179A</b> RS-232C/V.24 interface pod with full breakout box	\$650
<b>Opt. 104:</b> Adds <b>HP 18260A</b> X.21 and RS-232C/V.24 interface pod	\$1000
<b>Opt. 105:</b> Adds <b>HP 18177A</b> V.35 interface pod	\$700
<b>Opt. 908:</b> Rack mount kit	\$400
<b>Opt. W30:</b> 2 additional years of return-to-HP service	\$210
<b>HP 18263A:</b> 3270 installation and maintenance software	\$350
<b>HP 18264A:</b> X.25 and SNA link level performance analysis	\$500
<b>HP 18265A:</b> DDCMP analysis	\$350

#### HP 4951C and HP 4952A Common Accessories

<b>HP 18190A:</b> Soft vinyl carrying case	\$125
<b>HP 92192A:</b> Set of 10 double-sided discs	\$69
<b>HP 2225D:</b> RS-232C/V.24 ThinkJet printer	\$495
<b>9211-1290:</b> Hard transit case	\$390
<b>5062-2119:</b> Data communications test library (shipped standard with each HP 4951C and HP 4952A)	\$NC