

# Technical Data Sheet Supplement



HP Part No. 5951-5993  
Printed in USA January 1995

Edition 2

### **CERTIFICATION**

*Hewlett-Packard Company certifies that this product met its published specifications at the time of shipment from the factory. Hewlett-Packard further certifies that its calibration measurements are traceable to the United States National Institute of Standards and Technology (NIST, formerly NBS), to the extent allowed by the institute's calibration facility, and to the calibration facilities of other International Standards Organization members.*

### **WARRANTY**

This Hewlett-Packard instrument product is warranted against defects in material and workmanship for a period of one year from date of delivery. During the warranty period, Hewlett-Packard Company will, at its option, either repair or replace products which prove to be defective.

For warranty service or repair, this product must be returned to a service facility designated by HP. Buyer shall prepay shipping charges to HP and HP shall pay shipping charges to return the product to Buyer. However, Buyer shall pay all shipping charges, duties, and taxes for products returned to HP from another country.

HP warrants that its software and firmware designated by HP for use with an instrument will execute its programming instructions when properly installed on that instrument. HP does not warrant that the operation of the instrument, or software, or firmware will be uninterrupted or error free.

### **LIMITATION OF WARRANTY**

The foregoing warranty shall not apply to defects resulting from improper maintenance by Buyer, Buyer-supplied software or interfacing, unauthorized modification or misuse, operation outside of the environmental specifications for the product, or improper site preparation or maintenance.

**NO OTHER WARRANTY IS EXPRESSED OR IMPLIED. HP SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

### **EXCLUSIVE REMEDIES**

**THE REMEDIES PROVIDED HEREIN ARE BUYER'S SOLE AND EXCLUSIVE REMEDIES. HP SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY.**

### **ASSISTANCE**

*Product maintenance agreements and other customer assistance agreements are available for Hewlett-Packard Products.*

*For any assistance, contact your nearest Hewlett-Packard Sales and Service Office. Addresses are provided at the back of this manual.*

## General Information

---

This information sheet supplements the instruments Technical Data Sheet. The data sheet describes the instrument, its specifications, options, and accessories. The instrument is certified and warranted as indicated in this document. For further information contact the nearest Hewlett-Packard Sales and Service offices (see Sales and Service section).

---

### Initial Inspection

Inspect the shipping container for damage. If the shipping container or packing material is damaged it should be kept until the contents of the shipment have been checked mechanically and electrically. If there is mechanical damage or if the instrument does not meet its specifications, notify the nearest Hewlett-Packard office. Keep the damaged shipping materials (if any) for the carrier and a Hewlett-Packard representative to inspect.

### Packaging

The following general instructions should be used for re-packaging with commercially available materials:

- a. Wrap the instrument in heavy paper or plastic. If shipping to a Hewlett-Packard office or service center, attach a tag indicating the type of service required, return address, model number, and full serial number.
- b. Use a strong shipping container. A single-wall corrugated carton made of 200 pound-per-square-inch test material is adequate.
- c. Use enough shock-absorbing material around all sides of the instrument to provide firm cushion and prevent movement inside the container.
- d. Seal the shipping container securely.
- e. Mark the shipping container FRAGILE to assure careful handling.

### Environment

#### Non-Operating

The instrument should be stored in a clean, dry environment. The following environmental limitations apply to both storage and shipment (unless otherwise stated in the data sheet):

- Temperature,  $-55$  to  $+75^{\circ}\text{C}$
- Humidity, less than 95% relative at  $+40^{\circ}\text{C}$
- Altitude, less than 15,300 metres (50,000 feet)

## Operating

The operating environment of the instrument should be within the following limitations (unless otherwise stated in the data sheet):

- Temperature, 0 to +55°C
- Humidity, less than 95% relative at +40°C
- Altitude, less than 4,600 metres (15,000 feet)

---

**Note** Storage or operation of the instrument within an environment other than that which is specified may cause damage to the instrument and may void the warranty.

---

## Adjustments

No adjustments should be attempted.

## Repair

If the instrument fails to operate within the specifications listed in the data sheet, it should be returned to Hewlett-Packard for repair.

---

**Note** Attempting to service or repair the instrument may void the warranty.

---



## Hewlett-Packard Sales and Service Offices

### IN THE UNITED STATES

#### California

Hewlett-Packard Co.  
1421 South Manhattan Ave.  
P.O. Box 4230  
Fullerton, CA 92631  
(714) 999-6700

Hewlett-Packard Co.  
301 E. Evelyn  
Mountain View, CA 94039  
(415) 694-2000

#### Colorado

Hewlett-Packard Co.  
24 Inverness Place, East  
Englewood, CO 80112  
(303) 649-5000

#### Georgia

Hewlett-Packard Co.  
2000 South Park Place  
P.O. Box 105005  
Atlanta, GA 30339  
(404) 955-1500

#### Illinois

Hewlett-Packard Co.  
5201 Tollview Drive  
Rolling Meadows, IL 60008  
(312) 255-9800

#### New Jersey

Hewlett-Packard Co.  
120 W. Century Road  
Paramus, NJ 07653  
(201) 265-5000

#### Texas

Hewlett-Packard Co.  
930 E. Campbell Rd.  
Richardson, TX 75081  
(214) 231-6101

### IN AUSTRALIA

Hewlett-Packard Australia Ltd.  
31-41 Joseph Street  
Blackburn, Victoria 3130  
895-2895

### IN CANADA

Hewlett-Packard (Canada) Ltd.  
17500 South Service Road  
Trans-Canada Highway  
Kirkland, Quebec H9J 2X8  
(514) 697-4232

### IN FRANCE

Hewlett-Packard France  
F-91947 Les Ulis Cedex  
Orsay  
(6) 907-78-25

### IN GERMAN FEDERAL REPUBLIC

Hewlett-Packard GmbH  
Vertriebszentrale Frankfurt  
Berner Strasse 117  
Postfach 560 140  
D-6000 Frankfurt 56  
(0611) 50-04-1

### IN GREAT BRITAIN

Hewlett-Packard Ltd.  
King Street Lane  
Winnersh, Wokingham  
Berkshire RG11 5AR  
0734 784774

### IN OTHER EUROPEAN COUNTRIES

Hewlett-Packard (Schweiz) AG  
Allmend 2  
CH-8967 Widen (Zurich)  
(0041) 57 31 21 11

### IN JAPAN

Yokogawa-Hewlett-Packard Ltd.  
29-21 Takaido-Higashi, 3 Chome  
Suginami-ku Tokyo 168  
(03) 331-6111

### IN PEOPLE'S REPUBLIC OF CHINA

China Hewlett-Packard, Ltd.  
P.O. Box 9610, Beijing  
4th Floor, 2nd Watch Factory  
Main Bldg.  
Shuang Yu Shu, Bei San Huan Rd.  
Beijing, PRC  
256-6888

### IN SINGAPORE

Hewlett-Packard Singapore  
Pte. Ltd.  
1150 Depot Road  
Singapore 0410  
273 7388  
Telex HPSGSO RS34209  
Fax (65) 2788990

### IN TAIWAN

Hewlett-Packard Taiwan  
8th Floor, Hewlett-Packard  
Building  
337 Fu Hsing North Road  
Taipei  
(02) 712-0404

### IN ALL OTHER LOCATIONS

Hewlett-Packard Inter-Americas  
3495 Deer Creek Rd.  
Palo Alto, California 94304