

Safety Summary

The following general safety precautions must be observed during all phases of operation, service, and repair of this instrument. Failure to comply with these precautions or with specific warnings elsewhere in this manual violates safety standards of design, manufacture, and intended use of the instrument. Hewlett-Packard Company assumes no liability for the customer's failure to comply with these requirements.

GROUND THE INSTRUMENT.

To minimize shock hazard, the instrument chassis and cabinet must be connected to an electrical ground. The instrument is equipped with a three-conductor ac power cable. The power cable must either be plugged into an approved three-contact electrical outlet or used with a three-contact to two-contact adapter with the grounding wire (green) firmly connected to an electrical ground (safety ground) at the power outlet. The power jack and mating plug of the power cable meet International Electrotechnical Commission (IEC) safety standards.

DO NOT OPERATE IN AN EXPLOSIVE ATMOSPHERE.

Do not operate the instrument in the presence of flammable gases or fumes. Operation of any electrical instrument in such an environment constitutes a definite safety hazard.

KEEP AWAY FROM LIVE CIRCUITS.

Operating personnel must not remove instrument covers. Component replacement and internal adjustments must be made by qualified maintenance personnel. Do not replace components with power cable connected. Under certain conditions, dangerous voltages may exist even with the power cable removed. To avoid injuries, always disconnect power and discharge circuits before touching them.

DO NOT SERVICE OR ADJUST ALONE.

Do not attempt internal service or adjustment unless another person, capable of rendering first aid and resuscitation, is present.

USE CAUTION WHEN EXPOSING OR HANDLING THE CRT.

Breakage of the Cathode-ray Tube (CRT) causes a high-velocity scattering of glass fragments (implosion). To prevent CRT implosion, avoid rough handling or jarring of the instrument. Handling of the CRT shall be done only by qualified maintenance personnel using approved safety mask and gloves.

DO NOT SUBSTITUTE PARTS OR MODIFY INSTRUMENT.

Because of the danger of introducing additional hazards, do not install substitute parts or perform any unauthorized modification of the instrument. Return the instrument to a Hewlett-Packard Sales and Service Office for service and repair to ensure that safety features are maintained.

DANGEROUS PROCEDURE WARNINGS.

Warnings, such as the example below, precede potentially dangerous procedures throughout this manual. Instructions contained in the warnings must be followed.

Dangerous voltages, capable of causing death, are present in this instrument. Use extreme caution when handling, testing, and adjusting.

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BIBLIOTHEQUE
DÉPARTEMENT de RECHERCHES
et DÉVELOPPEMENT
HP GRENOBLE

OPERATOR'S GUIDE

MODEL 1640B SERIAL DATA ANALYZER

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Table of Contents

How to Use Manual	iv
Introducing the 1640B	1-1
General Description	1-1
Serial Data Analyzer	1-1
Interactive Simulator	1-1
Patch Panel	1-1
Preprogrammed Operation	1-1
Automatic Measurement	1-1
CRT Display	1-1
Options	1-1
Description of Controls and Connectors	2-1
Front Panel	2-1
Patch Panel (Back Slide)	2-3
Rear Panel	2-3
Setup and Turn On	3-1
Line Voltage Selection	3-1
RS-232C Hook-up	3-2
Monitoring	4-1
Introduction	4-1
Format Menu Selections	4-1
Data Code	4-3
Mode	4-3
Clock Rate Selections	4-5
Error Check	4-5

Mode Menu Selections	4-6
Monitor/Simulate	4-6
Trig Source	4-7
Run Mode	4-9
Suppress	4-9
List Menu Interpretation	4-11
Status Field	4-11
Data Field	4-11
Patch Panel Connections	4-13
Measurement Considerations	4-15
Asynchronous System Considerations	4-15
Synchronous System Considerations	4-16
Protocols	4-18
Isochronous Monitoring	4-20
V Simulation	5-1
Introduction	5-1
Patch Panel Connections	5-2
Format Menu Selections	5-7
Mode Menu Setup	5-9
Full Duplex/Half Duplex	5-9
TX First/RX First	5-10
Reply On Condition	5-10
Trig Source	5-11
Run Mode	5-11
Transmit Message Entry	5-16
Keyboard Message Entry	5-18
Message Entry from TX or RX Monitor Memory	5-17
Remote Message Entry	5-17

Table of Contents (Cont'd)

VI Patch Panel	6-1
Introduction	6-1
Functional Description of Patch Panel	6-3
1640B/RS-232 Interface	6-4
AUX	6-4
TX	6-4
RX	6-4
RTS	6-4
CTS	6-4
DSR	6-4
CARDET	6-5
SCT and SCR	6-5
DTR	6-5
Channels A, B, and C	6-5
ΔT Start/ΔT Stop	6-5
CLK OUT	6-6
+/-12 V Supplies	6-6
GND	6-6
TRIG IN	6-6
TRIG OUT	6-6
Asynchronous Operation with External clock (Isochronous)	6-7

VII 1640B Familiarization and Self Check	7-1
Introduction	7-1
Asynchronous Loop Back Test	7-1
Synchronous Loop Back Test	7-4
List Menu Check	7-9
Other Tests	7-9
VIII Applications	8-1
Appendix A Hewlett-Packard Interface Bus	A-1
Appendix B EIA RS-232C Interface Standard	B-1
Appendix C Code Conversion Tables	C-1
Appendix D 1640B Specifications	D-1
Appendix E 1640B Status Messages	E-1
Appendix F Abbreviations Used in this Manual	F-1
Index	I-1