



Chapter 1 — Read This First!

Product and Client Care 1-1

Chapter 2 — Instrument Architecture

General Designed Capabilities..... 2-1
Block Diagrams 2-4

Chapter 3 — Installation and Safety



Installation for Safe and Efficient Operation 3-1

Chapter 4 — Introduction to the Controls

The Front Panel..... 4-1
The Main Controls 4-3
Choosing and Navigating in Menus 4-4
System Setup and Menu Controls 4-6
Screen Topography 4-8

Chapter 5 — CHANNELS, Coupling and Probes

Channel Controls 5-1
Coupling..... 5-3
Probes and Probe Calibration..... 5-4

Chapter 6 — TIMEBASE + TRIGGER

TIMEBASE + TRIGGER Controls 6-1

Chapter 7 — Timebase Modes and Setup

Timebase Sampling Modes 7-1
Timebase Setup..... 7-5



Chapter 8 — Triggers and When to Use Them

Choosing the Right Trigger	8-1
Edge or SMART?	8-2
Edge Trigger	8-3
TRIGGER SETUP: Edge	8-9
SMART Triggers	8-10
TRIGGER SETUP: SMART	8-29

Chapter 9 — ZOOM + MATH

Zoom and Math Controls	9-1
-------------------------------------	-----

Chapter 10 — Zoom, Mathematics and Math Setup

Zooming for Precise Waveform Measurements	10-1
Math Functions and Options	10-2
Using Waveform Mathematics	10-5
Configuring for Zoom and Math	10-6
Setting Up FFT Span and Resolution	10-17

Chapter 11 — Display

Setting Up the Display	11-1
-------------------------------------	------

Chapter 12 — UTILITIES

Printing, Storing, Using Special Modes	12-1
Hardcopy Setup	12-2
Time/Date Setup	12-4
GPIB/RS232 Setup	12-5
Mass Storage Utilities	12-7
Special Modes	12-19
CAL BNC Setup	12-21

Chapter 13 — WAVEFORM STORE & RECALL

Waveform Store..... 13-1
Waveform Recall..... 13-4

Chapter 14 — CURSORS/MEASURE & Parameters

Cursors: Tools for Measuring Signal Values 14-1
Parameters: Automatic Measurements..... 14-4
Pass/Fail Testing 14-13

Chapter 15 — PANEL SETUPS

Saving and Recalling Panel Setups 15-1

Chapter 16 — SHOW STATUS

The Complete Picture — Summarized 16-1

Appendix A — Specifications



Appendix B — Enhanced Resolution

Appendix C — Fast Fourier Analysis (FFT)

Appendix D — Parameter Measurement

Appendix E — ASCII-Stored Files