



1740A

OSCILLOSCOPE

OPERATORS
GUIDE

TABLE OF CONTENTS

	Page		Page
OPERATING INSTRUCTIONS	1	Mixed Sweep Display	22
General Information	1	X-Y Display	22
Description	1	APPLICATIONS	24
Accessories Furnished	1	Introduction	24
Accessories and Options Available	8	Voltage Measurements	24
Preparation For Use	9	Absolute Voltage Measurements	25
Power Cord	9	Voltage Difference Measurements	26
Power Requirements	9	Average Voltage Measurements	26
Controls and Connectors	10	Amplitude Comparison Measurements	26
Turn-on Procedure	17	Common Mode Rejection	28
Operators Calibration	18	Time Measurements	29
Trace Alignment	18	Time Duration	29
Astigmatism and Focus	18	Period Measurements	30
Probe Compensation	19	Repetition Rate or Frequency	
Vertical Accuracy Check	19	Measurements	31
Timing Accuracy	19	Rise-time Measurements	31
Trigger Selection Table	20	Delayed Sweep	33
OBTAINING BASIC DISPLAYS	20	Delayed Sweep Time Interval	
Normal Sweep Display	20	Measurements	33
Magnified Sweep Display	20	Pulse Jitter Measurements	36
Delayed Sweep Display	22	Eliminating Jitter	37
		Viewing Pulses With Variable Time	
		Duration	37

TABLE OF CONTENTS (Cont'd)

	Page		Page
Measuring Phase Difference by		Triggering	41
Time Delay	38	Trigger View	41
A VS B Phase Measurements	39	Eliminating Multiple Triggering on	
		Complex Waveforms	42
		Option 101 - Logic State Display	42

Table 2. General Characteristics (Cont'd)

NOTES:

1. DIMENSIONS ARE FOR GENERAL INFORMATION ONLY. IF DIMENSIONS ARE REQUIRED FOR BUILDING SPECIAL INCLOSURES, CONTACT YOUR HP FIELD ENGINEER.
2. DIMENSIONS ARE IN MILLIMETERS AND (INCHES).

