

Tektronix[®]
COMMITTED TO EXCELLENCE

**Tektronix
National Marketing Center**
for Product Order Information, contact
your local Tektronix sales representative
or, in the U.S., call
1-800-426-2200 ext 41

In Oregon, call collect (503)627-9000 ext 41
Tektronix National Marketing Center
P.O. Box 500 D/S Y6-088, Beaverton, OR 97077

**PLEASE CHECK FOR CHANGE INFORMATION
AT THE REAR OF THIS MANUAL.**

**2215A
OSCILLOSCOPE
OPERATORS**

INSTRUCTION MANUAL

Tektronix, Inc.
P.O. Box 500
Beaverton, Oregon 97077
070-4732-00
Product Group 46

Serial Number _____

First Printing SEP 1983
Revised MAY 1984

TABLE OF CONTENTS

	Page		Page
LIST OF ILLUSTRATIONS	ii	Section 3 OPERATORS FAMILIARIZATION (cont)	
LIST OF TABLES	ii	OPERATOR'S ADJUSTMENTS	3-3
OPERATORS SAFETY SUMMARY	iii	INTRODUCTION	3-3
Section 1 GENERAL INFORMATION		BASELINE TRACE	3-3
INTRODUCTION	1-1	TRACE ROTATION	3-3
SPECIFICATION	1-1	PROBE COMPENSATION	3-4
CALIBRATION	1-9	Section 4 OPERATING PROCEDURES	
REPACKAGING FOR SHIPMENT	1-9	BASIC APPLICATIONS	4-1
Section 2 PREPARATION FOR USE		INTRODUCTION	4-1
FIRST-TIME START UP	2-1	INDEX TO BASIC APPLICATION	
SAFETY	2-1	PROCEDURES	4-1
LINE VOLTAGE	2-1	VOLTAGE MEASUREMENTS	4-1
POWER CORD	2-1	NONDELAYED TIME	
LINE FUSE	2-1	MEASUREMENTS	4-4
INSTRUMENT COOLING	2-2	TELEVISION DISPLAYS	4-8
CONTROLS, CONNECTORS, AND		DELAYED-SWEEP	
INDICATORS	2-3	MAGNIFICATION	4-8
DISPLAY, POWER, AND PROBE		DELAYED-SWEEP TIME	
ADJUST	2-3	MEASUREMENTS	4-10
VERTICAL	2-4	Section 5 OPTIONS AND ACCESSORIES	
HORIZONTAL	2-5	INTRODUCTION	5-1
TRIGGER	2-6	OPTIONS	5-1
REAR PANEL	2-8	INTERNATIONAL POWER CORDS	5-1
Section 3 OPERATORS FAMILIARIZATION		STANDARD ACCESSORIES	5-1
GENERAL OPERATING		OPTIONAL ACCESSORIES	5-1
INFORMATION	3-1	FRONT PANEL ILLUSTRATION	
GRATICULE	3-1	CHANGE INFORMATION	
GROUNDING	3-1		
SIGNAL CONNECTIONS	3-1		
INPUT COUPLING CAPACITOR			
PRECHARGING	3-1		

LIST OF ILLUSTRATIONS

Figure		Page
	The 2215A Oscilloscope	iv
1-1	Maximum input voltage vs frequency derating curve for CH 1 OR X, CH 2 OR Y, and EXT INPUT connectors ..	1-7
1-2	Physical dimensions of the 2215A Oscilloscope	1-8
2-1	Optional power cords	2-1
2-2	Fuse holder and power cord connector	2-2
2-3	Power and display controls and indicators and PROBE ADJUST output	2-3
2-4	Vertical controls and connectors	2-4
2-5	Horizontal controls	2-5
2-6	Trigger controls, connector, and indicator	2-6
2-7	Rear panel connector	2-7
3-1	Graticule measurement markings	3-1
3-2	Probe compensation	3-4
4-1	Peak-to-peak waveform voltage	4-2
4-2	Instantaneous voltage measurement	4-3
4-3	Common-mode rejection	4-4
4-4	Voltage ratios	4-4
4-5	Time Duration	4-5
4-6	Rise Time	4-6
4-7	Time difference between pulses on time-related signals	4-6
4-8	Phase difference	4-7
4-9	High-resolution phase difference	4-8
4-10	Delayed-sweep magnification	4-9
4-11	Pulse jitter	4-10
4-12	Time difference on single waveform	4-11
4-13	B DELAY TIME POSITION control settings	4-11
4-14	Rise time, differential time method	4-12
4-15	Time difference between two pulses on two time-related signals	4-13

LIST OF TABLES

Table		Page
1-1	Electrical Characteristics	1-2
1-2	Environmental Characteristics	1-6
1-3	Physical Characteristics	1-7
2-1	VERT MODE Trigger Source	2-7

Qservice ----- This document is a complete scan from the original manual ----- Qservice