



Qservice - SAMPLE - Qservice

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

**2445/2465
OPTION 06 and OPTION 09
COUNTER/TIMER/TRIGGER
and
WORD RECOGNIZER
OPERATORS**

INSTRUCTION MANUAL

**Tektronix, Inc.
P.O. Box 500
Beaverton, Oregon 97077**

Serial Number _____

070-4631-00
Product Group 38

First Printing AUG 1984
Revised MAR 1985

Copyright © 1984 Tektronix, Inc. All rights reserved.
Contents of this publication may not be reproduced in any
form without the written permission of Tektronix, Inc.

Products of Tektronix, Inc. and its subsidiaries are covered
by U.S. and foreign patents and/or pending patents.

TEKTRONIX, TEK, SCOPE-MOBILE, and  are
registered trademarks of Tektronix, Inc. TELEQUIPMENT
is a registered trademark of Tektronix U.K. Limited.

Printed in U.S.A. Specification and price change privileges
are reserved.

INSTRUMENT SERIAL NUMBERS

Each instrument has a serial number on a panel insert, tag,
or stamped on the chassis. The first number or letter
designates the country of manufacture. The last five digits
of the serial number are assigned sequentially and are
unique to each instrument. Those manufactured in the
United States have six unique digits. The country of
manufacture is identified as follows:

8000000	Tektronix, Inc., Beaverton, Oregon, USA
7100000	Tektronix Guernsey, Ltd., Channel Islands
200000	Tektronix United Kingdom, Ltd., London
300000	Sony/Tektronix, Japan
700000	Tektronix Holland, NV, Heerenveen, The Netherlands

TABLE OF CONTENTS

	Page		Page
LIST OF ILLUSTRATIONS	ii	Section 4 OPERATING PROCEDURES	
LIST OF TABLES	ii	PRECISION TIME-INTERVAL	
OPERATORS SAFETY SUMMARY	iii	MEASUREMENTS	4-1
		MENU MODE FUNCTION	
Section 1 SPECIFICATION		SELECTION	4-2
INTRODUCTION.....	1-1	WORD OUT SIGNAL	4-9
DESCRIPTION OF FUNCTIONS	1-1	CONTROLLING INSTRUMENT	
PERFORMANCE CONDITIONS	1-2	FUNCTIONS WITH THE GPIB.....	4-9
		Section 5 OPERATOR'S CHECKS	
Section 2 PREPARATION FOR USE		INTRODUCTION.....	5-1
OPERATING CONSIDERATIONS	2-1	INITIAL SETUP.....	5-1
POWER-UP TESTS.....	2-1	FREQUENCY VERIFICATION	5-1
		DELAY VERIFICATION	5-2
Section 3 CONTROLS, CONNECTORS, AND INDICATORS		DELTA VERIFICATION	5-2
FRONT PANEL CONTROLS	3-1	DELAY-BY-EVENTS.....	5-2
REAR PANEL	3-2	Section 6 OPTIONS AND ACCESSORIES	
READOUT DISPLAYS	3-2	INTRODUCTION.....	6-1
		OPTIONS	6-1
Section 4 OPERATING PROCEDURES		ACCESSORIES	6-1
		Appendix A GPIB COMMAND REFERENCE	
		CHANGE INFORMATION	

LIST OF ILLUSTRATIONS

Figure		Page
	The 2445 Option 06 and Option 09 Oscilloscope	iv
	The 2465 Option 06 and Option 09 Oscilloscope	iv
1-1	The Word Recognizer probe	1-3
3-1	Counter/Timer/Trigger and Word Recognizer controls	3-1
3-2	Rear Panel Word Recognizer connectors	3-2
4-1	Delta Time relative accuracies	4-3
4-2	Delay Time relative accuracies	4-4

LIST OF TABLES

Table		Page
1-1	Counter/Timer/Trigger Electrical Characteristics	1-4
1-2	Word Recognizer Electrical Characteristics	1-10
1-3	Environmental Characteristics	1-11
1-4	Mechanical Characteristics	1-11
4-1	Delay-by-Events Combinations	4-6
4-2	Resolution Selections	4-8
4-3	Counter/Timer/Trigger GPIB Commands	4-10
4-4	Word Recognizer GPIB Commands	4-13
A-1	Counter/Timer/Trigger GPIB Command Summary	A-1
A-2	Word Recognizer GPIB Command Summary	A-1