

Tektronix[®]
COMMITTED TO EXCELLENCE

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

**OF 150
Time Domain
Reflectometer**

OPERATOR'S MANUAL

First Printing NOV 1981
Revised NOV 1984

Tektronix, Inc.
P.O. Box 500
Beaverton, OR 97077

070-3688-01
Product Group 22

Qservice - Samples

TABLE OF CONTENTS

	Page
List of Illustrations	iv
Operators Safety Summary	v
 Section 1 GENERAL INFORMATION AND SPECIFICATION	
General Information	1-1
Product Description	1-1
Battery Pack	1-2
Standards, Documents and References Used	1-2
Change and History Information	1-3
Specification	1-3
Electrical Characteristics	1-4
Horizontal Display	1-4
Vertical Display	1-5
Signal and Measurement Characteristics	1-6
Pulse Characteristics	1-7
Numeric Readout	1-9
Operational Characteristics	1-10

TABLE OF CONTENTS (cont)

Section 1 GENERAL INFORMATION AND SPECIFICATION (cont)

Environmental Characteristics	1-1
Physical Characteristics	1-3

Section 2 INSTALLATION AND REPACKING

Unpacking and Initial Inspection	2-1
Preparation for Use	2-2
Power Source and Power Requirements	2-2
Repacking for Shipment	2-3

Section 3 OPERATING INSTRUCTIONS

Controls, Indicators and Connectors	3-1
Controls	3-1
Indicators	3-6
Connectors	3-7

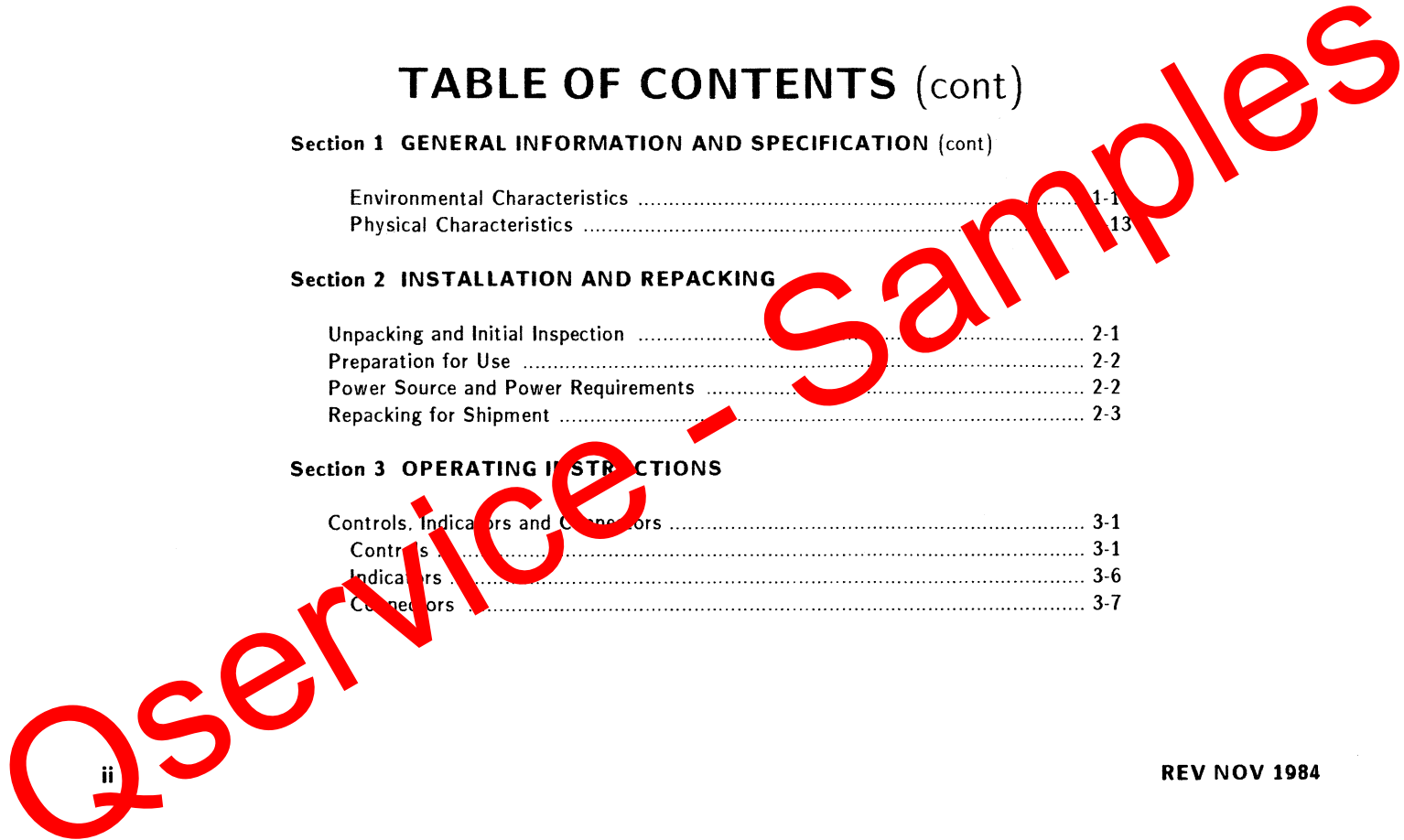


TABLE OF CONTENTS (cont)

Section 3 OPERATING INSTRUCTIONS (cont)

Operational Check	3-8
Preliminary Procedure	3-8
Check Operation of Front-Panel Pushbuttons and Controls	3-8
Using the OF150	3-12
Fiber Connector	3-12
Connecting a Fiber to the OF150	3-13
Setting up the Fiber Display	3-14
A Closer View of a Discontinuity	3-15
Measuring Distance	3-16
Distance Readout Calibration	3-16
Measuring Loss	3-17
Replacement of the Lens Assembly	3-19

Section 4 OPTIONS

Section 5 ACCESSORIES

LIST OF ILLUSTRATIONS

Fig. No.		Page
	OF150 Fiber Optic Time Domain Reflectometer	3-7
3-1	Front-panel Controls, Indicators, and Connectors	3-7
3-2	Long Pulse Display	3-9
3-3	Short Pulse Display	3-10
3-4	Fiber Display	3-14
3-5	Measuring Distance	3-16
3-6a&b	Measuring Loss	3-18
3-7	Lens Assembly Needs Replacement	3-19