

**2430A
DIGITAL
OSCILLOSCOPE
OPERATORS**


*Please Check for
CHANGE INFORMATION
at the Rear of This Manual*

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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:

B000000	Tektronix, Inc., Beaverton, Oregon, USA
100000	Tektronix Guernsey, Ltd., Channel Islands
200000	Tektronix United Kingdom, Ltd., London
300000	Sony/Tektronix, Japan
700000	Tektronix Holland, NV, Heerenveen, The Netherlands

Preface

The documentation for the 2430A consists of the following publications:

1 Operators Manual	070-6286-00
1 Users Reference	070-6339-00
1 Programmers Reference Guide	070-6338-00
1 Service Manual (Optional accessory)	070-6330-00

This operators manual is the authoritative reference of all operating information for this instrument. The only exception is system information regarding system interfacing and operating this instrument via the GPIB; the Programmers Reference Guide is the primary reference for GPIB operation.

This Operators Manual contains seven sections plus appendices. A brief description of each follows.

Section 1

This section introduces you to the instrument. It begins with a brief description of the instrument and continues with a brief explanation of how to prepare the instrument for initial start-up. Operating considerations necessary for preventing damage to the scope are also covered. Next, the user gets some "hands-on" experience with the instrument via a "Get Acquainted" procedure.

Section 2

This is a two-part section. Part one, "Operating Considerations", details the basic things to be aware of when making measurements. Part two of the section is an "Operator's Familiarization" procedure. This procedure requires you to make some measurements and demonstrate some features so that you can become familiar with how the controls and control menus are used to operate the scope. Use of the important SELF-CAL feature is also covered.

Section 3

Detailed procedures for using the scope to make measurements are given in this four-part section. The section aids you in developing your own methods for your measurement requirements.

The first part of the section, "General Applications," details the more familiar graticule measurements of signal amplitude and time period. Use of the Vertical and Horizontal Display Mode (including delay-time measurements) are also given in part one.

Part two, "Special Applications," describes use of the versatile cursors for making highly accurate measurements of voltage, time, and frequency. "Special Applications" includes an application for the combined A*B trigger source.

A third part, "Storage Applications," describes the various storage acquisition modes and their uses.

"Extended Features Applications," the final section, outlines usage of the AUTOsetup, AutoStep Sequencer, and MEASURE features.

Section 4

This section contains Operator's checks and adjustments procedures used to ensure the accuracy of measurements .

Section 5

This is the reference section for description of instrument features. The locations of the controls, connectors, and indicators are illustrated and their functions are described. At the rear of the section, the control menus are listed with details describing their use for reference by the user.

Section 6

This section contains tables of the electrical, environmental, and mechanical characteristics of the instrument. An introductory summary of the instrument's capabilities precedes the specification tables. A dimensional drawing of the instrument is included at the end of the section.

Section 7

Information about instrument options available are found in this section. Included is a list of the standard instrument accessories and a partial list of the recommended optional accessories. Operating instructions for the Video Option and the Word Recognizer Probe are included in Section 7.

Appendix A

The Extended Functions menus are described, and the operation of the internal calibration and diagnostics capabilities of the scope are detailed. A table at the rear of the appendix lists the Extended Diagnostic test codes and short names for the operator's information.

Appendix B

Supplemental reference tables and information are included in this appendix.

Appendix C

This appendix details considerations for using the MEASURE feature for automatically extracting parameter measurements from waveforms.

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