

**TEKTRONIX®**

465

OSCILLOSCOPE  
OPERATORS

INSTRUCTION MANUAL

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# 465 OSCILLOSCOPE

## Introduction

This Operators Handbook is intended to give the necessary information to allow a user to become familiar with the instrument's power requirements, functions of controls and connectors, and also provides a few methods of making several different measurements of electrical phenomena. Also included is a rudimentary procedure for checking basic instrument calibration.

## Operating Voltage

### CAUTION

*This instrument is designed for operation from a power source with its neutral at or near earth (ground) potential with a separate safety-earth conductor. It is not intended for operation from two phases of a multi-phase system, or across the legs of a single-phase three-wire system.*

This instrument can be operated from either a 115-volt or a 230-volt nominal line voltage source, 48 to 440 hertz. The line voltage selector switch in the instrument converts the instrument from one nominal operating voltage to the

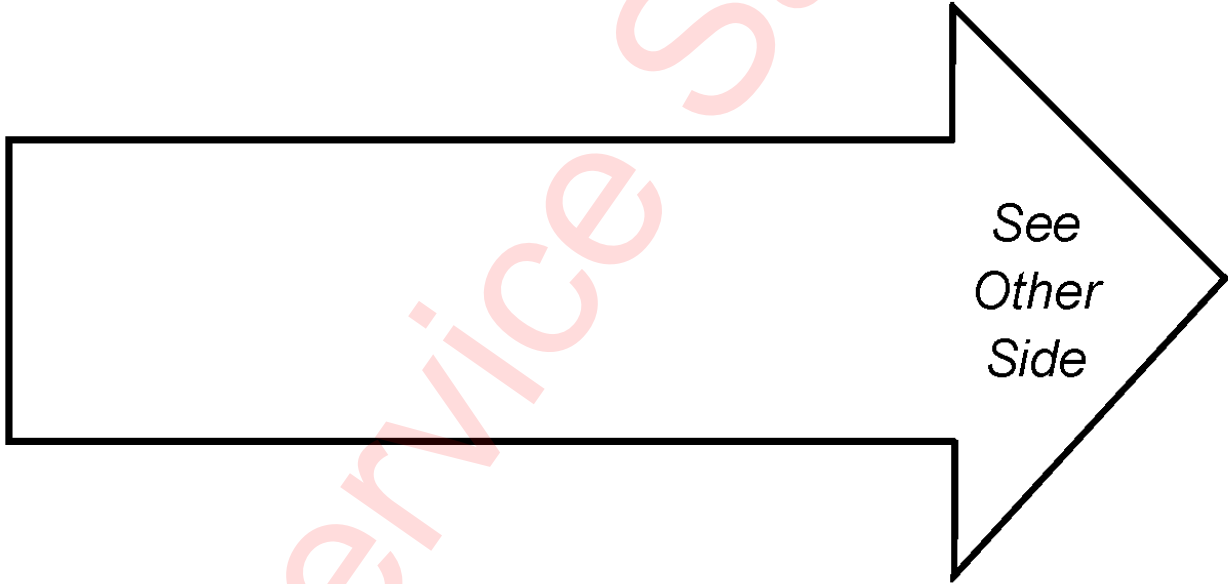
other. The regulating range selector assembly on the instrument rear panel selects one of three regulating ranges for each nominal line voltage, and also contains the line fuses for overload protection for both nominal line voltages. To select the correct nominal line voltage and regulating range, proceed as follows:

1. Disconnect the instrument from the power source.
2. To convert from 115-volts nominal to 230-volts nominal line voltage, set the selector switch to the 230-volts position (toward the rear of the instrument). Change the line-cord plug to match the power source or use a 115-to-230 volt adapter.

### NOTE

*Color-coding of the cord conductors is as follows (in accordance with National Electrical Code):*

<i>Line</i>	<i>Black</i>
<i>Neutral</i>	<i>White</i>
<i>Safety earth (ground)</i>	<i>Green</i>



See  
Other  
Side