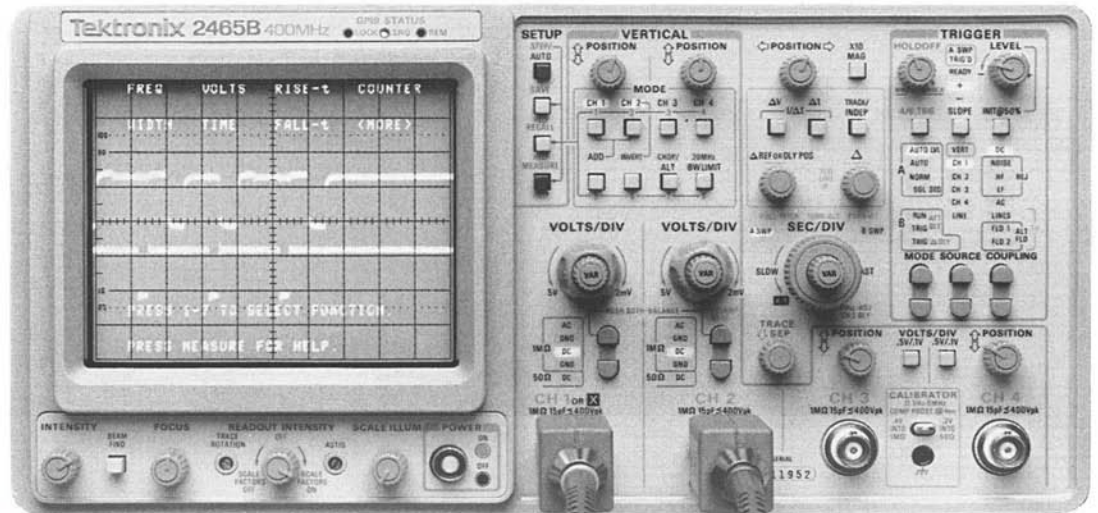


2465B/2455B/  
2445B

## 150 TO 400-MHz AUTO-MEASURING OSCILLOSCOPES

The Highest  
Performance and  
Automation Available in  
Portable Analog Scopes.

- 400-MHz Bandwidth (2465B)
- 500-ps/div Time Base (2465B)
- Automatic Push-Button Setup and Measurements
- 4 Channels
- SAVE, RECALL, and SEQUENCE of Setups
- Lightweight and Rugged
- Cursor Measurements
- 1% Timing Accuracy
- Familiar and Easy to Use



### 2465B/2445B 400 AND 150 MHz OSCILLOSCOPES

#### CONVENIENCE, FAMILIARITY, AND STANDARD-SETTING PERFORMANCE

The 2465B and 2445B general-purpose oscilloscope models, a series of options designed to extend their measurement capabilities, and three specially-configured packages combine convenience and familiarity with leading-edge performance. These instruments bring proven reliability and efficiency to your design lab, production/test line, or field service site.

400-MHz bandwidth, sweep speed to 500 ps/div (250 MHz and 1ns/div for 2455B, 150 MHz and 1 ns/div for 2445B), and 1% timing accuracy offer the performance needed to display with high fidelity the wide range of signals encountered in both general-purpose and specialized applications. The fast update rate inherent in analog oscilloscopes allows you to see *real-time* changes in your waveforms, allowing you to make circuit adjustments and giving you confidence that critical events are consistently captured and displayed.

#### AUTOMATIC SETUPS AND PUSH-BUTTON MEASUREMENTS

You can measure risetime, falltime, frequency, pulse width, voltage, and time interval A to B at the push of a button. Auto Setup is another time-saving feature of the 2465B/2455B/2445B. Attach up to four probes to your signal points, press AUTO SETUP, and within seconds the scope presents a stable, automatically-triggered, scaled, and positioned display of your waveforms. The quickest way to get your job done.

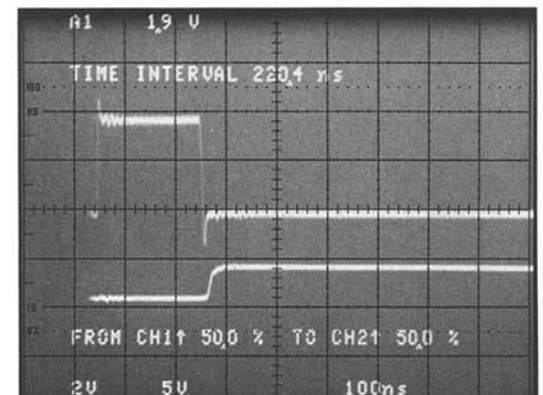
#### ADVANCED, EASY-TO-USE TRIGGERING

2400-Series scopes can trigger from any one of the four input channels, or on up to four asynchronous signals. Tek's AutoLevel Trigger keeps your scope triggered even as the input signals change. Trigger signal conditioning choices include dc, ac, LF Reject, HF Reject, and Noise Reject, ensuring the ability to trigger stably on

virtually any signal. On-screen readout of the trigger level voltage saves time and eliminates trial-and-error frustration. Pressing the INIT@50% button automatically sets the trigger level to the 50% voltage on your signal, further increasing ease and reliability of triggering.

#### INSTANT ACCESS TO COMPLEX SETUPS

For closer examination of your signals and for specialized setups—such as those incorporating the extended measurement options—manually setting front-panel controls is still necessary. But now you need set them only *once*. Non-volatile memory for 30 setups stores all front-panel information, including intensity, cursor locations, and control settings for the measurement options. And each setup can be labeled with a descriptive name. Prototype verification can be accomplished quickly without manual control adjustments. Field service procedures are executed more effectively in less time through the use of stored setups for common tests and measurements.



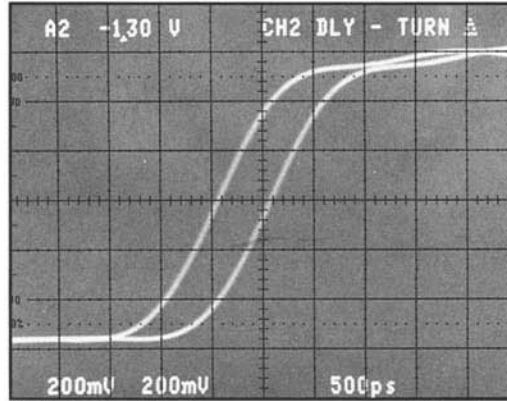
*Channel-to-Channel Time is the most versatile of the push-button measurements. Start and stop events can be set in % or in volts—on rising or falling edges of CH1 and CH2.*

# 150 TO 400-MHz AUTO-MEASURING OSCILLOSCOPES

**2465BDV/2465BDM/  
2465BCT**

## AUTOMATIC SEQUENCES WITHOUT AN EXTERNAL CONTROLLER

2400-Series oscilloscopes offer built-in sequencing capabilities for building and running semi-automated tests. Systematic verification procedures for design engineering, production test, or field service can be developed without writing a single line of code. To sequence through up to 30 setups, press the STEP button once for each step, or plug a foot switch into the rear-panel jack for hands-free operation. Seven-character labels for each setup can act as test titles or operator prompts.



*Adjustable delay increases accuracy. A front-panel knob adjusts the CH2 delay to exactly match the CH1 delay from the probe tip.*

## SPECIAL PACKAGES PROVIDE A BROAD RANGE OF FUNCTIONS.

These models include multi-instrument capabilities while reducing rack or bench space, equipment cost, and programming complexity. As preconfigured packages, they offer significant savings over the cost of combining individual options. Any of these three packages make a good choice for your system, as all include the GPIB interface and the extended Counter/Timer/Trigger (CTT) measurements.

### 2465BCT PRECISION TIMING SCOPE

The *2465BCT Precision Timing Scope*, which includes the CTT/Word Recognizer and GPIB, is ideal for making the precise timing measurements needed for communications, office, and computer-related equipment, or in microprocessor-controlled systems.

### 2465BDM MULTIFUNCTION SCOPE

The *2465BDM Multifunction Scope* includes a GPIB-controllable digital multimeter in addition to the CTT/WR and GPIB. Its applications as a self-contained, multi-purpose instrument extend into government/military electronics, avionics, depot service, and ATE.

### 2465BDV FULL-FEATURED OSCILLOSCOPE

For even more varied applicability, the *2465BDV Full-Featured Oscilloscope* adds Video Waveform Measurement capability as well as providing GPIB, CTT/WR, and DMM. It is especially suited to the design, manufacture, and service of raster-scan devices and high-resolution video equipment.

**2465BDV/  
2465BDM/2465BCT**

## ORDERING INFORMATION

See page 114 for ordering information.

## PRODUCT CONFIGURATION GUIDE

Features	Standard Models			Preconfigured Special Packages		
	2465B	2455B	2445B	2465BDV	2465BDM	2465BCT
Bandwidth	400 MHz	250 MHz	150 MHz	400 MHz	400 MHz	400 MHz
General Purpose Interface Bus	Opt 10	Opt 10	Opt 10	Included	Included	Included
Counter/Timer/Trigger Word Recognizer	Opt 09	Opt 09	Opt 09	Included	Included	Included
Digital Multimeter	Opt 01	Opt 01	Opt 01	Included	Included	—
Video Measurement System	Opt 05	Opt 05	Opt 05	Included	—	—
Two additional probes	Opt 22	Opt 22	Opt 22	Included	Included	Included
Rackmount	Opt 1R* <sup>1</sup>	Opt 1R* <sup>1</sup>	Opt 1R	Opt 2R	Opt 2R	Opt 1R
Probe Power	Opt 11	Opt 11	—	—	—	—
Warranty	3 years, parts and labor			3 years, parts and labor		

\*<sup>1</sup> Specify Opt 2R if Opt 01 (DMM) is ordered.