

## Introduction

The Hewlett-Packard 54111D digitizing oscilloscope provides a selectable up to 2 gigasample/second digitizing rate, full HP-IB programmability, and a feature set for a wide range of applications.

Not only does the HP 54111D allow you to make two-channel simultaneous, high speed single-shot capture, but its extensive feature set and repetitive sampling capabilities make it useful as a high-speed, general-purpose oscilloscope as well.

For extensive waveform evaluation, the HP 54111D provides four 8k deep memories that can be viewed and measured. In addition, such easy-to-use features as zoom and pan, and automated measurements are available at the press of a key.

The HP 54111D's key features include:

- Up to 2 gigasample/second digitizing rate (one channel)
- 500 MHz repetitive bandwidth
- 500 MHz single-shot bandwidth
- 8k of acquisition memory per channel
- 10 nonvolatile waveform memories
- Vertical resolution up to eight bits with bandwidth limits
- Two-channel simultaneous capture at 1 gigasample/second
- Pre and post trigger viewing capability
- Automatic triggering and display scaling
- Automatic waveform measurements
- Waveform math functions (A + B, A - B, invert, A x B, integrate)
- Ten front-panel setup save/recall registers
- General-purpose input coupling
- Extensive triggering capabilities
- Color display
- Hardcopy output to printer or plotter
- Fully programmable over the HP-IB