

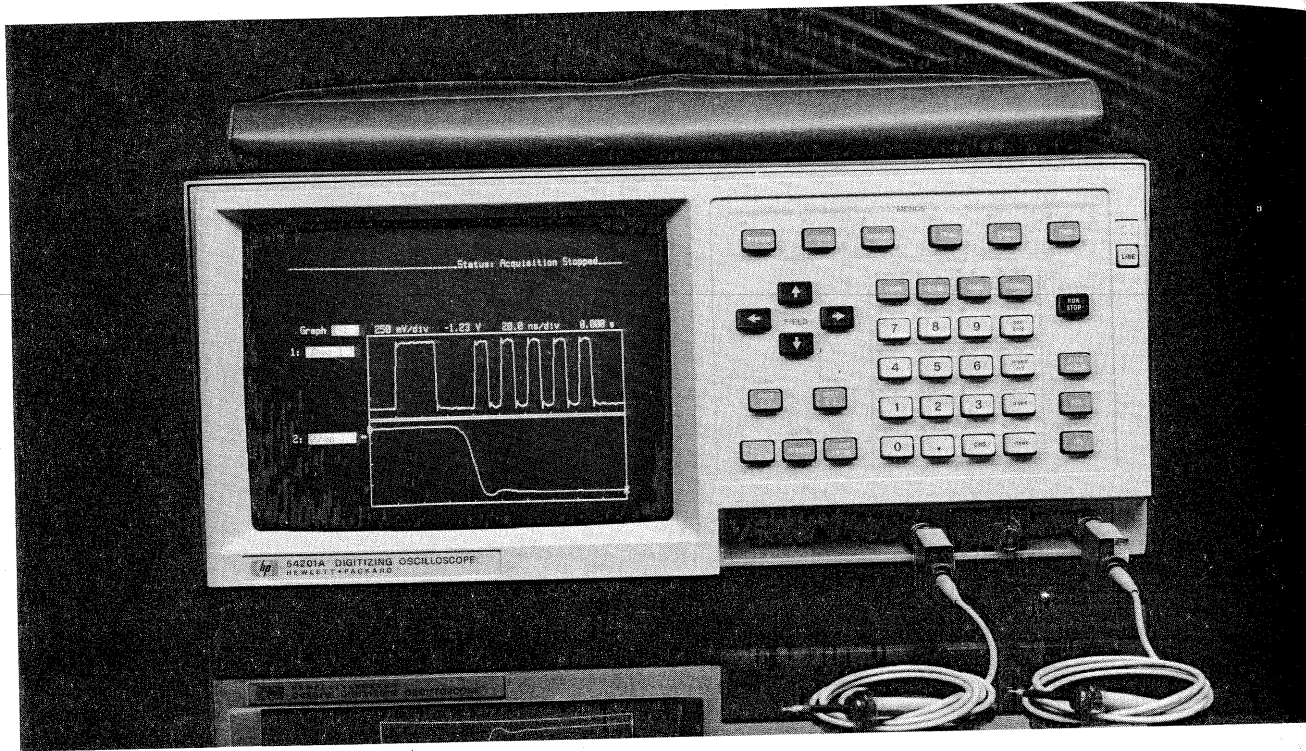


# OSCILLOSCOPES & WAVEFORM ANALYZERS

## 200 Megasample/Second Digitizing Oscilloscopes

### Models 54200A/D, 54201A/D

- Dual 200 megasample/second digitizers, allowing 50 MHz single-shot capture
- Pre-trigger viewing
- Automatic waveform measurements
- Up to 27 channels of state triggering
- Infinite variable persistence
- Instant hardcopy output
- 300 MHz repetitive bandwidth (HP 54201A/D only)



#### HP 54200A/D

- Dual 200 megasample/second digitizers
  - 50 MHz bandwidth
  - Pre-trigger display
  - Auto-scaling of input signal
  - Automatic measurements of waveform parameters
  - Infinite persistence display, plus envelope and average display modes
- The HP 54200D model adds:
- Up to 27 channels of state triggering
  - Missing bit triggering mode
  - Extra bit triggering mode

#### HP 54201A/D

- 300 MHz repetitive bandwidth
  - Dual 200 megasample/second digitizers
  - 50 MHz single-shot bandwidth
  - Pre-trigger display
  - Auto-scaling of input signal
  - Automatic measurements of waveform parameters
  - Infinite persistence display, plus envelope and average display modes
- The HP 54201D model adds:
- Up to 27 channels of state triggering
  - Missing bit triggering mode
  - Extra bit triggering mode

### Simplify Waveform Capture and Analysis

#### Easy Instrument Setup

- Pressing the Auto-Scale button automatically provides a scaled display of a wide range of input signals.
- Save and recall your front panel setups for quick return to previous measurements.
- ECL and TTL preset keys automatically set up vertical range, offset, and trigger levels for viewing digital signals.
- Input and memory labels aid in signal and setup identification
- "Configuration" menu gives instrument status in a single display to aid in instrument setup and measurement documentation.
- Built-in 50 ohm switchable inputs eliminate the need for external termination devices (HP 54201A/D only).

#### Digital Storage

- Bright, fade-free, non-blooming displays.
- Waveforms can be stored for comparison or analysis. Stored waveforms can be displayed concurrently with live waveforms and can be output directly to a printer or plotter.
- Time/voltage cursors enable measurements on or between live and stored waveforms.
- Average mode improves signal-to-noise ratio on repetitive signals
- Envelope mode saves maximum and minimum values of repetitive events for worst-case analysis.
- Accumulate mode displays multi-valued waveforms.
- Connect-the-dots mode aids signal interpretation (HP 54201A/D).