



**P6201** - P6201 with Accessories.

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## Active FET Probes

**P6201 \* P6202A \* 1101A**

### FEATURES

#### For 50 Ohm and 1 Megaohm Interfaces **P6201**

- True Signal Fidelity, DC up to 900 MHz
- 1.5 pF Input C\*<sup>1</sup>
- 1 megaohm Input R\*<sup>1</sup>
- 1X/10X/100X
- AC-DC Coupling
- Variable DC Offset, up to  $\pm 200$  V
- Selectable 50 Ohm, Termination for Use with 50 Ohm or 1 megaohm Inputs

\*<sup>1</sup>See [Specifications](#)

#### **P6202A**

- DC to 500 MHz
- 2 pF Input C
- 10 megaohm Input R
- 10X/Optional 100X
- AC-DC Coupling
- Variable DC Offset, up to  $\pm 200$  V
- Selectable 50 Ohm, Termination for Use with 50 Ohm or 1 megaohm Inputs

#### **1101A**

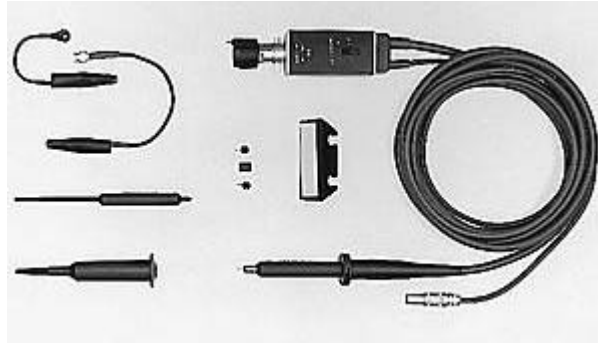
- Powers up to Two Probes
- For Probe Use with Oscilloscopes That Do Not Have Probe Power
- Compatible with the P6201, P6202A and P6230
- Overload Protected
- Variable DC Offset, up to  $\pm 200$  V
- Selectable 50 Ohm, Termination for Use with 50 Ohm or 1 megaohm Inputs

### APPLICATIONS

- Digital Design and Debug of Logic Families
- Component Characterization/Measurement of High-speed Analog Circuitry
- Digital Design and Debug of Logic Families such as:
  - ECL

- GaAs
- MOS: CMOS; FastCMOS; BiCMOS
- TTL
- Component Characterization/Measurement of High-speed Analog Circuitry Relative to:
  - Amplitude Levels
  - Aberrations
  - Propagation Delay and Timing
  - Bandwidths and Rise Times

P6202A with Accessories.



## P6201/P6202A

The P6201 and P6202A are Low Circuit Loading Active Signal Acquisition probes for Tektronix 400 Series, 2400 Series and 7000 Series Families of Oscilloscopes.

The P6201 and P6202A with Active FET devices in their inputs provide very high input impedances.

Both the P6201 and P6202A probes provide a wide linear dynamic input range for accessing most digital device families using today's logic voltage levels.

The P6201 provides unity gain (1X) and is the best general purpose FET probe within its voltage range. Plug-on attenuator heads provide wider dynamic ranges (10X and 100X), while maintaining the oscilloscope readout factor.

Wider dynamic input range for the P6202A is achieved by an optional 10X attenuator head which provides 100X attenuation.

Both the P6201 and P6202A probes provide a variable DC Offset function which is set via the offset controls on the probe's compensation box to bring signals (those within the offset control range) into the dynamic

range of the probe.

1101A Power Supply.



AC or DC coupling selection is available on the P6201 and P6202A FET Probes. When AC coupled, the DC voltage component is blocked, allowing viewing of superimposed signals.

A self-contained selectable 50 Ohm termination switch allows the P6201 or P6202A to be terminated into a 50 Ohm or 1 megaohm oscilloscope inputs.

Power for the P6201 and P6202A is supplied by the 400 Series, 2400 Series and 7000 Series mainframes through the optional Probe Power Jack or the 1101A Power Supply.

The P6201 or P6202A may also be used with other 50 Ohm and 1 megaohm input real-time oscilloscopes, sampling systems, spectrum analyzers and counters via the 1101A and appropriate interface adapters (SMA to BNC, GR to BNC, etc.).

The 1101A power supply provides external power to probes when the oscilloscope used does not have the capability to supply probe power.

The 1101A has two power receptacles that will power up to two independent probes, such as the P6201, P6202A and P6230.

P6202A



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Tektronix Measurement products are manufactured in ISO registered facilities.



1101a only

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