

P6201
P6202A
1101A

Active FET Probes

For 50 Ω and 1 M Ω Interfaces

*Large and Small
 Signal
 Measurements
 while
 Maintaining Low
 Capacitive
 Loading.*

P6201/ P6202A

- True Signal Fidelity, DC up to 900 MHz
- Low Input Capacitance, <1.5 pF
- High Input Resistance 10 M Ω
- Variable DC Offset, Up to ± 200 V
- Selectable 50 Ω , Termination for Use with 50 Ω or 1 M Ω Inputs

P6201

- DC to 900 MHz
- 1.5 pF Input C*¹
- 1 M Ω Input R*¹
- Unity Gain
- 1X/10X/100X
- DC Offset
- AC-DC Coupling

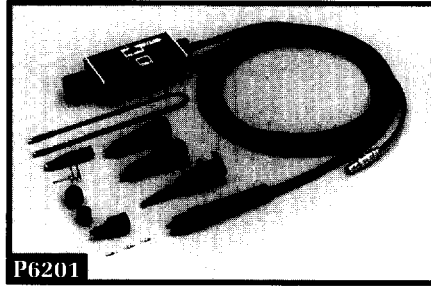
P6202A

- DC to 500 MHz
- 2 pF Input C
- 10 M Ω Input R
- 10X/Optional 100X
- DC Offset
- AC-DC Coupling

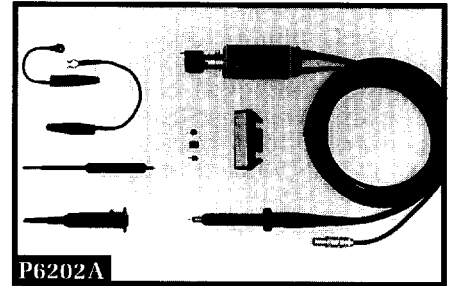
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- Powers up to Two Probes
- For Probe Use with Oscilloscopes that Do Not Have Probe Power
- Compatible with the P6201, P6202A, and P6230
- Overload Protected

*¹ See Specifications.



P6201



P6202A

P6201/P6202A

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

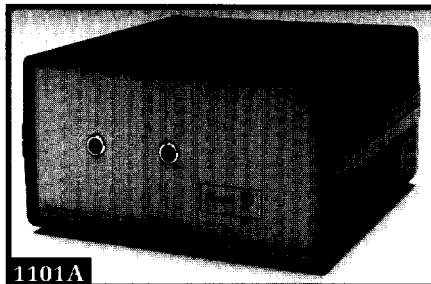
The P6201 and P6202A with Active FET devices in their inputs provide very high input impedances.

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 controlled 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

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 super-imposed signals.

A self-contained selectable 50 Ω termination switch allows the P6201 or P6202A to be terminated into a 50 Ω or 1 M Ω 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 Ω and 1 M Ω 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.

Product(s) available through your local Tektronix representative (listed in the back of this catalog) or call 1-800-426-2200.

ISO 9001

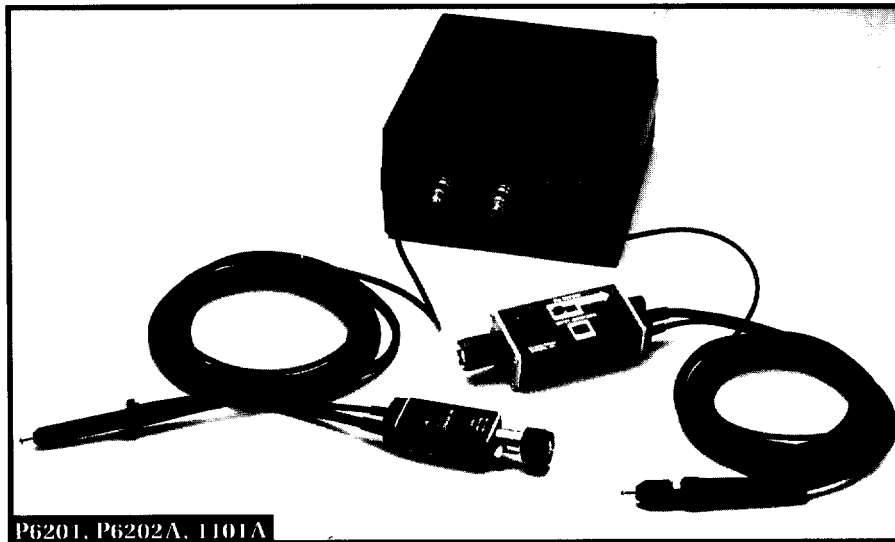
Tektronix Measurement products are manufactured in ISO registered facilities.

Active FET Probes

For 50 Ω and 1 MΩ Interfaces

P6201
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ACTIVE PROBES



P6201, P6202A, 1101A

DESIGNED FOR:

- 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

CHARACTERISTICS

Probe Type	Nominal Cable Length in meters	Attenuation	Bandwidth at -3dB in MHz	Input C in pF	Input R in Ω	Linear Dynamic Range in Volts	DC Offset Range in Volts	Maximum Voltage in Volts (DC + pk AC)	Interface/Readout/Identify*1	Recommended Instrument
P6201	1.8	1X	900	3	100 k	±0.6	±5.6	±100	BNC/Y/N	400 / 2400 /
		10X	900	1.5	1 M	±6.0	±56	±200	BNC/Y/N	7000 Series
		100X	900	1.5	1 M	±60.0	±200	±200	BNC/Y/N	*2
P6202A	2	10X	500	2	10 M	±6.0	±55	±200	BNC/Y/N	400 / 2400 /
		100X*3	500	2	10 M	±60.0	±200	±200	BNC/Y/N	7000 Series *2

*1 Interface/Readout/Identify-autoProbe Code: (TPB=TEKPROBE™ BNC) / (TPS=TEKPROBE™ SMA) / (BNC=Conventional BNC) / (Y=Yes) / (N=No).

*2 Requires Probe Power connector on mainframe or 1101A Power Supply.

*3 Optional Accessory. Order 010-0384-00.

ORDERING INFORMATION

P6201

1X, 900 MHz FET Probe **\$1,595**
Includes: Retractable Probe Tip (013-0135-00); 10X Attenuator Head (010-0376-00); 100X Attenuator Head (010-0377-00); 3 Probe Tips (206-0200-00); Miniature Probe Tip Adapter (103-0164-00); 12 in. Ground Lead (175-0848-02); Ground Contact (131-1302-00); Alligator Clip (344-0046-00); Electrical Insulating Sleeve (166-0557-00); Ground Contact Insulator (342-0180-00); Probe Holder (352-0351-00); Carrying Case; Instruction Manual (070-1306-01).

P6202A

10X, 500 MHz FET Probe **\$1,115**
Includes: Retractable Probe Tip (013-0097-01); 2 Alligator Clips (344-0046-00); Probe Holder (352-0351-00); 3 in. Ground Lead (175-0849-00); Probe Adjustment Tool (003-0675-01); 6 in. Ground Lead (175-1017-00); 2 Replaceable Probe Tips (206-0230-01); Electrical Insulating Sleeve (166-0404-01); Carrying Case; Instruction Manual (070-3642-00).

ADDITIONAL ACCESSORIES

Also see pages 476-494 for complete selection information.

10X Attenuator – (P6202A only) For a total of 100X attenuation. Order 010-0384-00..... **\$140**

1101A Power Supply – For P6201, P6202A Powers 2 Probes **\$695**

INTERNATIONAL POWER PLUG OPTIONS

Opt. A1 – Universal Euro, 220 V 50 Hz **NC**
Opt. A2 – United Kingdom, 240 V 50 Hz **NC**
Opt. A3 – Australian, 240 V 50 Hz **NC**
Opt. A4 – North American, 240 V 60 Hz **NC**
Opt. A5 – Switzerland, 220 V 50 Hz **NC**

See General Customer Information Section for additional description.

Product(s) available through your local Tektronix representative (listed in the back of this catalog) or call 1-800-426-2200.

ISO 9001

Accredited by the British Council for conformance
 Tektronix Measurement products are manufactured in ISO registered facilities.