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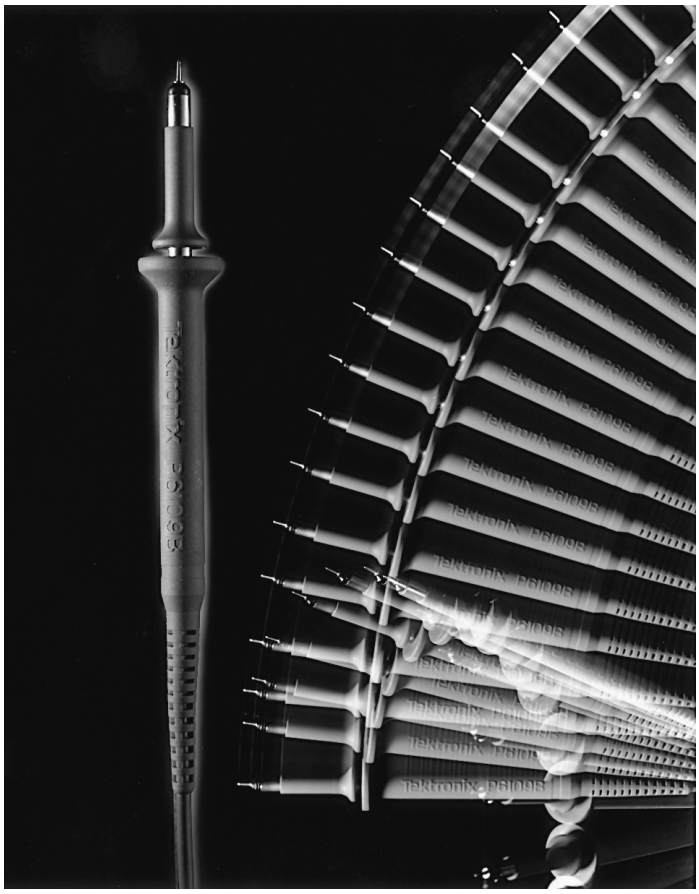
Expert team | Trust guarantee | 100% satisfaction

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Find the *Tektronix P6701A* at our website: ***Click HERE***

Passive Voltage Probes

P3010 • P6101B • P6109B • P6111B • P6112 • P6114B • P6117 Data Sheet



Features & Benefits

- 1 MΩ Inputs
- P6101B
  - 1X, 15 MHz, 300 V CAT I
- P6109B
  - 10X, 100 MHz, 300 V CAT II
  - Readout
- P6111B
  - 10X, 200 MHz, 300 V CAT II
  - Readout
- P6112
  - 10X, 100 MHz, 300 V CAT II
- P6114B
  - 10X, 400 MHz, 300 V CAT II
- P6117
  - 10X, 200 MHz, 300 V CAT II
- P3010
  - 10X, 100 MHz (P3010)
- Molded Passive Voltage Probes
- Single Piece, Molded Rubber Body
- Lightweight Ergonomic Design
- 10-times Improvement in Durability
- HYBRID/SMT Circuitry on Multilayer Circuit Board for Improved Performance and Reliability
- New Stronger, Replaceable Probe Tip
- Safety Certification
  - UL3111-2-031, CSA1010.2.031, EN61010-2-031, IEC61010-2-031
- 1-year Unconditional Guarantee
- Miniature Probe Tip Compatible with a Wide Range of Tektronix Accessories and Adapters

Applications

- Mixture of High, Medium, and Low-frequency General-purpose Relative Measurements
  - Engineering and Design
  - Service
  - Manufacturing

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P6109B/P3010.

Passive voltage probes are the most commonly used oscilloscope probe. Other specialty probes expand the range and functionality of an oscilloscope as a measurement system, but a general-purpose, passive voltage probe is the working end of the oscilloscope, a tool used every day by engineers and technicians.

Two years of customer research, design innovation, and an exhaustive test program resulted in a most remarkable family of oscilloscope probes. This family of passive voltage probes is specifically designed for Tektronix analog and digital portable oscilloscopes. The 1X and 10X switchable probes combine the same high-quality electrical performance that customers expect from Tektronix with a new rugged mechanical design.

These probes are encased in a resilient, molded rubber body that is virtually indestructible. They are lighter in weight, more comfortable to hold, and more reliable than modular probe styles. The probes' replaceable tips are designed to withstand up to 20 pounds of force. Patented integral strain relief allows complete freedom of movement while providing superior cable flex. Each probe has received UL safety certification and meets MIL-T-28800, Class 3, environment specifications – something portable scope users will appreciate.

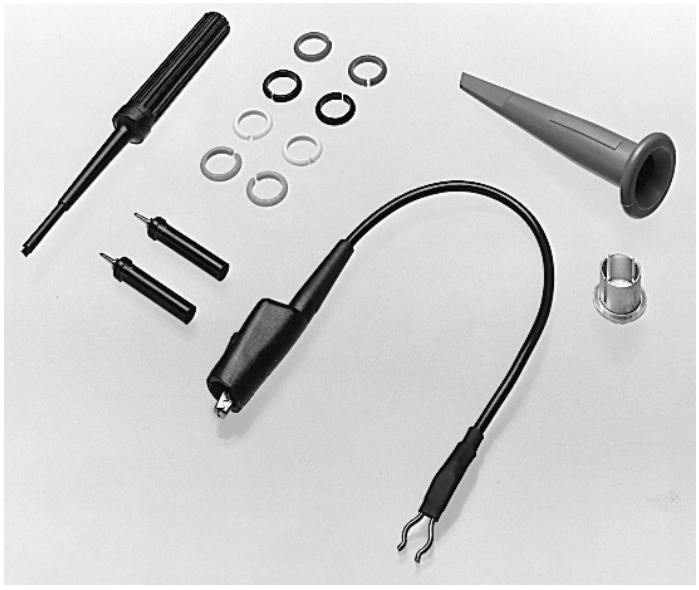
The P3010, P6101B, P6109B, P6111B, P6112, P6114B, and P6117 probes are designed to complement the Tektronix family of portable DSO and ART instruments. The core of each probe's performance is supplied by a Tektronix HYBRID/SMT device.

The instrumentation experience possessed by Tektronix provides an extra margin of quality and reliability to the molded probes that is not commonly available to probe manufacturers. These molded probes have been designed and tested to support the overall system performance and measurement quality that Tektronix oscilloscopes guarantee.

Through the introduction of the molded probes, Tektronix has set a new standard for passive voltage probe styling, performance, and durability.



P6117.



Standard Accessories.

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Characteristics

Type	Attenuation	Bandwidth (MHz)	Comp. Range (pF)	System Input Resistance (MΩ)	Typical Input C (pF)	Input RMS (Volts)	Readout	Scope/Product
P6101B	1X	15	NA	1	100	300 V_{RMS} CAT I		All Scopes
P6109B	10X	100	15 to 35	10	13	400 V_{RMS} CAT I 300 V_{RMS} CAT II	X	2211, 2221, 2224, 2230, 2232, 2235A, 2236A, 2245A, 2246A, 2247A, 2252, TAS455, TAS465, TAS475, TDS310, TDS320, TDS340, TDS340A
P6111B	10X	200	15 to 35	10	14	400 V_{RMS} CAT I 300 V_{RMS} CAT II	X	TAS485, TDS350, TDS360
P6112	10X	100	15 to 35	10	13.3	400 V_{RMS} CAT I 300 V_{RMS} CAT II		TDS200
P6114B	10X	400	10 to 35	10	14.1	400 V_{RMS} CAT I 300 V_{RMS} CAT II	X	TDS380
P6117	10X	200	15 to 35	10	13.3	400 V_{RMS} CAT I 300 V_{RMS} CAT II		THS700
P3010	10X	100	10 to 15	10	13	400 V_{RMS} CAT I 300 V_{RMS} CAT II	X	TDS3012, TDS3012B, TDS3014, TDS3014B

Ordering Information

P6101B
1X, 15 MHz Passive Voltage Probe.
Includes: 4 pairs of colored cable markers, retractable hook tip, 6 in. ground lead, 2 replacement probe tips, BNC to probe tip adapter, adjustment tool, storage pouch, instruction manual (070-7819-07).

P6109B
10X, 100 MHz Passive Voltage Probe with Readout.
Includes: Same as P6101B except instruction manual (070-7849-06).

P6111B
10X, 200 MHz Passive Voltage Probe.
Includes: Same as P6101B except instruction manual (070-8543-05).

P6112
10X, 100 MHz Passive Voltage Probe.
Includes: 4 pairs of colored cable markers, retractable hook tip, 6 in. ground lead, BNC to probe tip adapter, adjustment tool, instruction manual (070-9694-00).

P6114B
10X, 400 MHz Passive Voltage Probe.
Includes: Same as P6112 except instruction manual (070-9491-02).

P6117
10X, 200 MHz Passive Voltage Probe.
Includes: Same as P6112 except instruction manual (070-9729-00).

P3010
10X, 100 MHz Passive Voltage Probe.
Includes: Same as P6101B except instruction manual (071-0466-00).

Recommended Accessories
See 5 mm Probe Accessories (miniature) probe system.

CE

ISO 9001

Product(s) are manufactured in ISO registered facilities.

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