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Passive Voltage Probes

TDS Series and 2400 Series Oscilloscopes

P6131
P6133
P6134C
P6136
P6137
P6138
P6139A

Probes for TDS Series and 2400 Series Oscilloscopes.

P6131
- 10X, 300 MHz
- 2.5 mm Subminiature Probe Tip

P6133
- 10X, 150 MHz
- 2.5 mm Subminiature Probe Tip
- 3.5 mm Compact Probe Tip Optional

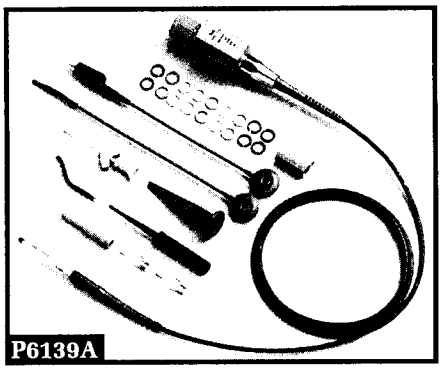
P6134C
- 10X, 400 MHz
- 3.5 mm Compact Probe Tip

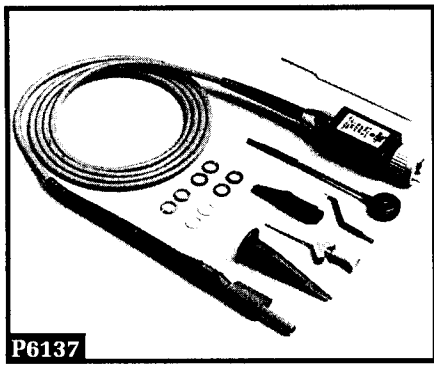
P6136
- 10X, 350 MHz
- 2.5 mm Subminiature Probe Tip
- 3.5 mm Compact Probe Tip Optional

P6137
- 10X, 400 MHz
- 3.5 mm Compact Probe Tip

P6138
- 10X, 350 MHz
- 3.5 mm Compact Probe Tip

P6139A
- 10X, 350 MHz
- 3.5 mm Compact Probe Tip


P6139A


P6137

Modular Subminiature Probes

- Small geometry tips – Easier circuit access
- Readout for 10X attenuation factor – Reduces confusion and errors in measurement readings
- Flexible lightweight cable – Easier to use and reduces mechanical stress to device under test
- HYBRID/SMT Circuitry – Provides improved performance and reliability
- Modularity – Provides lower cost of ownership
- Compact size accessories – Provides compatibility with existing adapters
- UL safety certification

The P613X family of oscilloscope probes sets the standard for high performance passive voltage probes. Continued growth of the family paces Tektronix' new series of high performance bench top oscilloscopes, the TDS 500A Series and high performance portable oscilloscopes, and the TDS 400 Series (with the introduction of the P6139A and P6138).

PROBE/SCOPE COMPATIBILITY

Probe	Scope/Product
P6131	2400 Series (2445,2465)
P6133	2400 Series (2430/A/M, 2445A, 2445B)
P6134C	11000 Series (11A32, 11A34)
P6136	2400 Series (2431L, 2439, 2455 A/B, 2465A, 2467)
P6137	2400 Series (2432/A/M, 2440/M, 2445B, 2465B, 2467B/HD)
P6138	TDS 400 Series
P6139A	TDS 500/A, 600/A, and 700A Series

Both probes feature modular construction, HYBRID/SMT circuitry, a smaller probe head/cable assembly than traditional passive probes, 10X attenuation readout encoding, and a full complement of attachment accessories. Smaller probe tips and lightweight cable assemblies allow easy negotiation of dense circuitry or tight spaces.

The compact probe head/tip assembly is compatible with the full line of compact accessories. When the Subminiature/ Compact- to-Miniature probe tip adapter (013-0202-02) is installed over the probe head/tip, the P6138 and P6139A probes are fully compatible with all miniature tip accessories.

The P6139A probe has been specifically designed for the TDS 500A/600A Series of oscilloscopes to provide 500 MHz bandwidth at the probe tip, while presenting an 8 pF/10 MΩ input impedance to the circuit under test Similarly, the P6138's design meets the TDS 400 Series 350 MHz signal path requirements, helping to ensure the highest accuracy ever in a general purpose oscilloscope.

Product(s) available through your local Tektronix representative (listed in the back of this catalog).

ISO 9001

Tektronix Measurement products are manufactured in ISO registered facilities.

Passive Voltage Probes

TDS Series and 2400 Series Oscilloscopes

P6131 **P6136**
P6133 **P6137**
P6134C **P6138**
P6139A

Characteristics

Type	Cable Length meters (m)	Bandwidth Megahertz (MHz)	Attenuation	Comp. Range Picofarads (pF)	Input C Picofarads (pF)	System Input Resistance Megaohms (MΩ)	Readout	ID/ Ground Ref.
P6131	1.3	300	10X	14 to 18	10.8	10	√	–
Opt. 02	2	250	–	–	13.5	–	–	–
Opt. 03	3	150	–	–	14.5	–	–	–
P6133	2	150	10X	10 to 25	12.7	10	√	–
Opt. 01	1.3	150	–	–	11.4	–	–	–
Opt. 03	3	120	–	–	14.5	–	–	–
Opt. 25	1.3	150	–	–	10.8	–	–	–
P6134C	1.5	400	10X	12 to 18	11.3	10	√	√
P6136	1.3	350	10X	12 to 18	10.8	10	–	–
Opt. 25	1.3	350	–	–	10.8	–	–	–
P6137	1.5	400	10X	12 to 18	10.8	10	√	√
P6138	1.3	350	10X	12 to 18	10.0	10	√	√
P6139A	1.3	500	10X	8 to 12	8.0	10	√	√

Note: Maximum voltage DC + peak AC ≤ 500;
Option 25 substitutes Compact for Subminiature Tip.

ORDERING INFORMATION

P6131
10X, 300 MHz Modular Subminiature Probe
Includes: Retractable Hook Tip; Adjustment Tool; Circuit Board Connector; 8 in. Alligator Ground Lead; 6 in. Microhook Ground Lead; 2 in. Ground Lead; Probe Holder; 4 Pairs of Colored Cable Markers.

Opt. 02 – 2 Meter Cable

Opt. 03 – 3 Meter Cable

P6133
10X, 150 MHz Modular Subminiature Probe
Includes: Same as P6130 except Instruction Sheet (070-5795-01).

Opt. 01 – 1.3 Meter Cable

Opt. 03 – 3 Meter Cable

Opt. 25 – 1.3 Meter Cable and Compact Tip
Includes: Same as P6137 except Instruction Sheet (070-5795-01).

P6134C
10X, 400 MHz Modular Compact Probe
Includes: Adjustment Tool; Retractable Hook Tip; Two Probe Tip to Circuit Board Adapters; 2 in. Ground Lead; 6 in. Ground Lead; Miniature Alligator Clip; SMT KlipChip™; 4 Pairs of Colored Cable Markers; Instruction Sheet (070-7676-00).

P6136
10X, 350 MHz Modular Subminiature Probe
Includes: Same as P6130 except Instruction Sheet (070-6025-01).

Opt. 25 – 1.3 Meter Cable and Compact Tip
Includes: Same as P6137 except Instruction Sheet (070-6025-01).

P6137
10X, 400 MHz Modular Compact Probe
Includes: Adjustment Tool; Retractable Hook Tip; Two Circuit Board Connectors; 2 in. Ground Lead; 6 in. Ground Lead with 0.025 in. Square Pin Receptacle; 6 in. Ground Lead with Alligator Clip; SMT KlipChip™; Low Inductance Lead Ground Collar; 4 Pairs of Colored Cable Markers; Instruction Sheet (070-6432-00).

P6138
10X, 350 MHz Modular Compact Probe
Includes: Adjustment Tool; Retractable Hook Tip; Two Circuit Board Connectors; 2 in. Ground Lead; 6 in. Ground Lead with 0.025 in. Square Pin Receptacle; 6 in. Ground Lead with Alligator Clip; SMT KlipChip™; Low Inductance Lead Ground Collar; 2 in. Low Inductance Ground Lead; Two Probe Tip to Circuit Board Adapters; 4 Pairs of Colored Cable Markers; Accessory Pouch; Instruction Sheet (063-0835-00).

P6139A
10X, 500 MHz Modular Compact Probe
Includes: Same as P6138 except Instruction Sheet (063-0870-00).

OPTIONAL ACCESSORIES
Conversion Kit – Subminiature Tip to Compact Tip.
P6130. Order 040-1252-02
P6131. Order 040-1251-02
P6133. Opt. 01. Order 040-1250-02
P6136. Order 040-1253-02

RECOMMENDED ACCESSORIES
See page 368-386 for complete selection information.

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ISO 9001
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Tektronix Measurement products are manufactured in ISO registered facilities.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

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We buy equipment

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