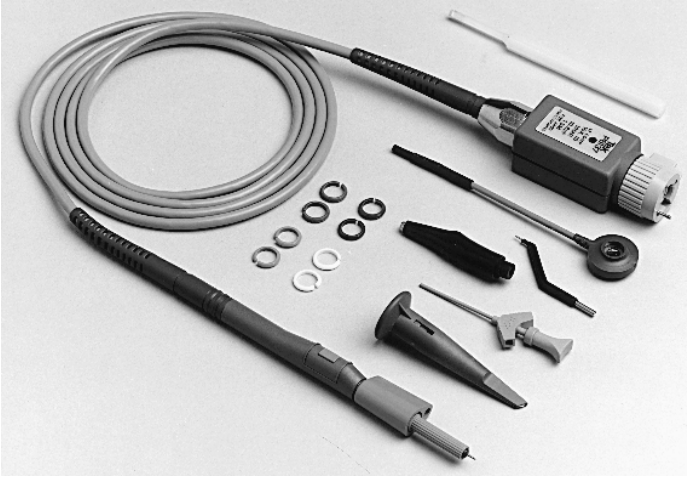


Passive Voltage Probes

P6131 • P6137 • P6138A Data Sheet



P6137 Probe.

Features & Benefits

- 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
- UL3111-2-031, CSA1010.2.032, EN61010-2-031 (UL1244, CSA231 – P6137 only)

Applications

- High- and Low-frequency Relative Measurements for:
 - Design
 - Service
 - Manufacturing

This family of oscilloscope probes sets the standard for high-performance passive voltage probes. Continued growth of the family paces the new series of Tektronix high-performance benchtop oscilloscopes, the TDS400/500/600/700/3000B/5000/7000B Series high-performance portable oscilloscopes.

These 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 (013-0202-03) is installed over the probe head/tip, the P6138A probes are fully compatible with all miniature tip accessories.

The P6138A's design meets the TDS400 Series signal path requirements, helping to ensure the highest accuracy ever in a general-purpose oscilloscope.

Characteristics

Type	Cable Length in Meters	Bandwidth MHz	Atten.	Comp. Range pF	Input C pF	System Input Resistance MΩ	Input Voltage	Readout ID/Ground Ref.	Scope/Product Compatibility
P6131	1.3	300	10X	14 to 18	10.8	10	150 V _{RMS} CATII	Y/N/N	2400 Series (2445, 2465)
P6137	1.5	400	10X	12 to 18	10.8	10	400 VDC + pkAC	Y/N/N	2400 Series (2432/A/M, 2440/MU, 2445B, 2465B, 2467B/HD)
P6138A	1.3	400	10X	12 to 18	10	10	300 V _{RMS} CATII	Y/N/N	TDS400 Series

NOTE: Maximum voltage DC + peak AC ≤ 500.



Product(s) are manufactured in ISO registered facilities.

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Updated 25 May 2010

For Further Information. Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit www.tektronix.com



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29 Nov 2010

60W-15107-2

