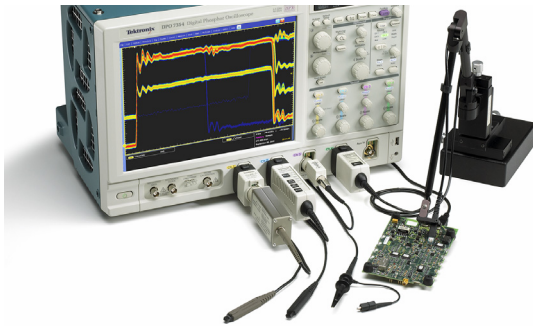


Oscilloscope Probes Fact Sheet

The right probes matched to your oscilloscopes

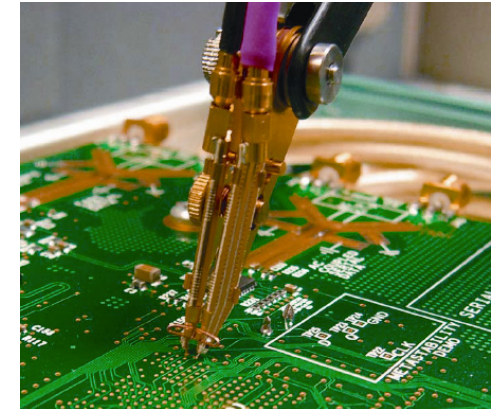


Features

Benefits

| | |
|---|--|
| Superior differential signal bandwidth | Tektronix differential probes provide industry-leading bandwidth of up to 20GHz. Ideal for probing leading edge serial signals like PCI Express 2.0. |
| TekVPI® Interface (Versatile Probe Interface) | Provides ease of use and intelligent bi-directional communications like deskew controls and load specifications between the probe and Tektronix DPO oscilloscopes. |
| Floating voltage capability | Tektronix high voltage probes extend your oscilloscope's ability to safely and accurately capture real-time signal information from "elevated" or "floating" voltage systems. |
| TriMode™ probing connectivity | TriMode™ architecture streamlines measurement acquisition by enabling a single probe to make differential, single-ended, and common mode measurements, all with a single DUT connection point. |
| Accurate and safe power analysis | Current measurements and power calculations are simple, safe and easy with Tektronix AC/DC current measurement probes. |
| Broad selection of probes | There are over 110 probing models that interface with the family of Tektronix Oscilloscopes. |

Measurement accuracy begins at the probe tip



TriMode™ differential probe

Tektronix offers a broad array of oscilloscope probes:

- Passive – most common, with bandwidths \leq 20 GHz
- Active single-ended – to ensure low DUT loading
- Differential – support for serial communications
- Current – for power and load analysis
- High voltage – for ground-referenced voltage testing
- Optical – optical-to-electrical conversion available

Our online probe selection tool makes it simple to find the right probe for your needs

www.tektronix.com/probes

Oscilloscope Probes Fact Sheet

Key specifications and ordering information

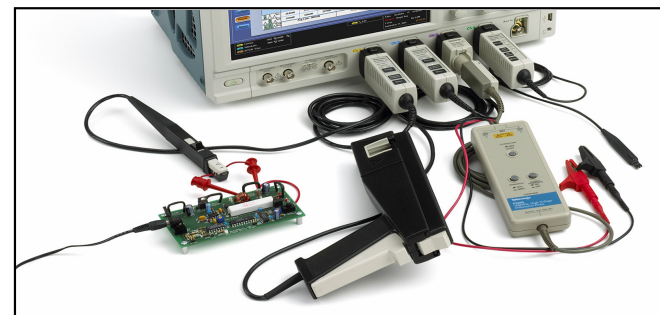
| Probe Type | Key Specifications |
|-----------------|---|
| Active | Up to 6 GHz bandwidth, ultra-low input capacitance <0.5 pF |
| Current | AC/DC, DC to 2 GHz, 1 mA to 20,000 A, split core and solid core |
| Differential | Up to 20 GHz bandwidth, 100 kΩ to 8 MΩ input resistance |
| High Voltage | Up to 40 kV Peak (100 ms pulse), single-ended (ground reference) or differential (non-ground referenced and ground reference) |
| Low Capacitance | Up to 9 GHz bandwidth, 1000 Ω input resistance, .15 to 1.5 pF input capacitance |
| Passive | From 100 MHz up to 20 GHz bandwidth. |

Ordering Information

Select the probe model for your specific needs through the Tektronix online probe selection tool
www.tektronix.com/probes

Recommended Service Options

Opt. R3/R5 3 or 5 year repair service plan
 Opt. C3/C5 3 or 5 year calibration service plan



Key Applications

- Serial data validation and compliance testing
- Power analysis
- Embedded design system evaluation

Benefits

- Differential probes enable accurate acquisition and characterization of serial communications
- Make accurate current measurements and safe grounded voltage tests
- A wide variety of passive and active probes to support accurate mixed analog/digital signal acquisition