

## Passive 10X Voltage Probe

### TPP0100, TPP0101 Datasheet



The TPP0100 and TPP0101 probes are 100 MHz, 10X passive voltage probes with 10 M $\Omega$  input resistance.

#### Key features

- 10X Attenuation
- 100 MHz Bandwidth
- 1.3 m Length
- UL61010-031; 2007, CAN/CSA C22.2 No. 61010-031-07, IEC61010-031; IEC 61010-031/A1:2008
- Applications:
  - Relative low-frequency measurements
  - Low-frequency computer and telecom measurements
  - Power supplies
  - Low-frequency amplifiers

#### TPP0100, TPP0101 Passive Voltage probes

The TPP0100 and TPP0101 probes are for use on BNC oscilloscopes with 1 M $\Omega$ /13 pF (TPP0100) and 1 M $\Omega$ /20 pF (TPP0101) inputs.

For a complete list of compatible oscilloscopes, refer to the Tektronix Oscilloscope Probe & Accessory Selector Tool at <http://www.tek.com/probes>.

## Specifications

All specifications are guaranteed unless noted otherwise. All specifications apply to all models unless noted otherwise.

### Electrical characteristics

Bandwidth DC to 100 MHz

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Rise time <3.5 ns (typical)

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#### Compensation range

TPP0100 8 pF to 18 pF

TPP0101 15 pF to 25 pF

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Input resistance 10 M $\Omega$   $\pm$ 1.5%

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Input capacitance <12 pF (typical)

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Propagation delay ~6.1 ns

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Maximum input voltage 300 V<sub>RMS</sub> CAT II

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### Physical characteristics

Probe cable length 1.3 m (4.2 ft)

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### EMC, environment, and safety

#### Temperature range

Operating -10 °C to +55 °C (14 °F to 131 °F)

Non-operating -51 °C to +71 °C (-60 °F to 160 °F)

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#### Humidity

Operating and non-operating 5% to 95% relative humidity (%RH) up to 30 °C (86 °F), 5% to 65% RH above +30 °C (86 °F) up to +55 °C (131 °F)

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#### Altitude

Operating <3 km (9,842 ft)

Non-operating <12.2 km (40,026 ft)

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## Ordering information

### Models

TPP0100 For use with BNC oscilloscopes with 1 M $\Omega$ , 13 pF inputs

TPP0101 For use with BNC oscilloscopes with 1 M $\Omega$ , 20 pF inputs

### Probe packages

TPP0101-PK10 10-pack of TPP0101 probes

TPP0101-PK50 50-pack of TPP0101 probes

### Standard accessories

003-1433-xx Adjustment tool  
 013-0362-xx Retractable hook tip  
 016-0633-xx Color bands, 5 pairs  
 016-2028-xx Long ground spring, 2 each  
 196-3521-xx 6 in. alligator ground lead

### Warranty

One-year warranty covering all parts and labor.

### Recommended accessories

013-0363-xx Micro hook tip  
 013-0366-xx Universal IC cap  
 013-0367-xx BNC-to-probe tip adapter, unterminated  
 016-2016-xx PCB-to-probe tip adapter, 10-pack  
 016-2034-xx Short ground spring, 2 each  
 131-8831-xx Compact probe-tip chassis mount  
 196-3198-xx 6 in. clip-on ground lead with 0.025 in. pin receptacle  
 196-3512-xx 12 in. alligator ground  
 206-0569-xx MicroCKT test tip

Tektronix is ISO 14001:2015 and ISO 9001:2015 certified by DEKRA.



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**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.tek.com](http://www.tek.com).

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