

# Passive 10X Voltage Probe

## TPP0200, TPP0201 Datasheet



### Key features

- 10X Attenuation
- 200 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

### TPP0200, TPP0201 Passive Voltage probes

The TPP0200 and TPP0201 probes are for use on BNC oscilloscopes with 1 M $\Omega$ /13 pF (TPP0200) and 1 M $\Omega$ /20 pF (TPP0201) inputs.

The TPP0200 and TPP0201 probes are 200 MHz, 10X passive voltage probes with 10 M $\Omega$  input resistance.

# Specifications

All specifications apply to all models unless noted otherwise.

## Electrical characteristics

<b>Bandwidth</b>	DC to 200 MHz
<b>Rise time</b>	<2.3 ns (typical)
<b>Compensation range</b>	
<b>TPP0200</b>	8 pF to 18 pF
<b>TPP0201</b>	15 pF to 25 pF
<b>Input resistance</b>	10 M $\Omega$ $\pm$ 1.5%
<b>Input capacitance</b>	<12 pF (typical)
<b>Propagation delay</b>	~6.1 ns
<b>Maximum input voltage</b>	300 V <sub>RMS</sub> CAT II

## Physical characteristics

<b>Probe cable length</b>	1.3 m (4.2 ft)
---------------------------	----------------

## EMC, environment, and safety

### Temperature range

<b>Operating</b>	-10 °C to +55 °C (14 °F to 131 °F)
<b>Nonoperating</b>	-51 °C to +71 °C (-60 °F to 160 °F)

### Humidity

<b>Operating and nonoperating</b>	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)
-----------------------------------	----------------------------------------------------------------------------------------------------------------

### Altitude

<b>Operating</b>	<3 km (9,842 ft)
<b>Nonoperating</b>	<12.2 km (40,026 ft)

## Ordering information

### Models

TPP0200	For use with BNC oscilloscopes with 1 M $\Omega$ , 13 pF inputs
TPP0201	For use with BNC oscilloscopes with 1 M $\Omega$ , 20 pF inputs

### Probe packages

TPP0201-PK10	10-pack of TPP0201 probes
TPP0201-PK50	50-pack of TPP0201 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
020-3045-xx	Wire, 32 AWG spool
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 registered to ISO 9001 and ISO 14001 by SRI Quality System Registrar.

**ASEAN / Australasia** (65) 6356 3900  
**Belgium** 00800 2255 4835\*  
**Central East Europe and the Baltics** +41 52 675 3777  
**Finland** +41 52 675 3777  
**Hong Kong** 400 820 5835  
**Japan** 81 (3) 6714 3010  
**Middle East, Asia, and North Africa** +41 52 675 3777  
**People's Republic of China** 400 820 5835  
**Republic of Korea** 001 800 8255 2835  
**Spain** 00800 2255 4835\*  
**Taiwan** 886 (2) 2722 9622

**Austria** 00800 2255 4835\*  
**Brazil** +55 (11) 3759 7627  
**Central Europe & Greece** +41 52 675 3777  
**France** 00800 2255 4835\*  
**India** 000 800 650 1835  
**Luxembourg** +41 52 675 3777  
**The Netherlands** 00800 2255 4835\*  
**Poland** +41 52 675 3777  
**Russia & CIS** +7 (495) 6647564  
**Sweden** 00800 2255 4835\*  
**United Kingdom & Ireland** 00800 2255 4835\*

**Balkans, Israel, South Africa and other ISE Countries** +41 52 675 3777  
**Canada** 1 800 833 9200  
**Denmark** +45 80 88 1401  
**Germany** 00800 2255 4835\*  
**Italy** 00800 2255 4835\*  
**Mexico, Central/South America & Caribbean** 52 (55) 56 04 50 90  
**Norway** 800 16098  
**Portugal** 80 08 12370  
**South Africa** +41 52 675 3777  
**Switzerland** 00800 2255 4835\*  
**USA** 1 800 833 9200

\* European toll-free number. If not accessible, call: +41 52 675 3777

Updated 10 April 2013

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

Copyright © Tektronix, Inc. All rights reserved. Tektronix products are covered by U.S. and foreign patents, issued and pending. Information in this publication supersedes that in all previously published material. Specification and price change privileges reserved. TEKTRONIX and TEK are registered trademarks of Tektronix, Inc. All other trade names referenced are the service marks, trademarks, or registered trademarks of their respective companies.



19 Apr 2013

51W-25681-2

[www.tektronix.com](http://www.tektronix.com)

**Tektronix**<sup>®</sup>

