

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 Ω /13 pF (TPP0200) and 1 M Ω /20 pF (TPP0201) inputs.

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

Specifications

All specifications apply to all models unless noted otherwise.

Electrical characteristics

| | |
|-----------------------|-----------------------------|
| Bandwidth | DC to 200 MHz |
| Rise time | <2.3 ns (typical) |
| Compensation range | |
| TPP0200 | 8 pF to 18 pF |
| TPP0201 | 15 pF to 25 pF |
| Input resistance | 10 M Ω \pm 1.5% |
| Input capacitance | <12 pF (typical) |
| Propagation delay | ~6.1 ns |
| Maximum input voltage | 300 V _{RMS} CAT II |

Physical characteristics

| | |
|--------------------|----------------|
| Probe cable length | 1.3 m (4.2 ft) |
|--------------------|----------------|

EMC, environment, and safety

| | |
|----------------------------|--|
| Temperature range | |
| Operating | -10 °C to +55 °C (14 °F to 131 °F) |
| Nonoperating | -51 °C to +71 °C (-60 °F to 160 °F) |
| Humidity | |
| Operating and nonoperating | 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 | |
| Operating | <3 km (9,842 ft) |
| Nonoperating | <12.2 km (40,026 ft) |

Ordering information

Models

| | |
|---------|---|
| TPP0200 | For use with BNC oscilloscopes with 1 M Ω , 13 pF inputs |
| TPP0201 | For use with BNC oscilloscopes with 1 M Ω , 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 | Austria 00800 2255 4835* | Balkans, Israel, South Africa and other ISE Countries +41 52 675 3777 |
| Belgium 00800 2255 4835* | Brazil +55 (11) 3759 7627 | Canada 1 800 833 9200 |
| Central East Europe and the Baltics +41 52 675 3777 | Central Europe & Greece +41 52 675 3777 | Denmark +45 80 88 1401 |
| Finland +41 52 675 3777 | France 00800 2255 4835* | Germany 00800 2255 4835* |
| Hong Kong 400 820 5835 | India 000 800 650 1835 | Italy 00800 2255 4835* |
| Japan 81 (3) 6714 3010 | Luxembourg +41 52 675 3777 | Mexico, Central/South America & Caribbean 52 (55) 56 04 50 90 |
| Middle East, Asia, and North Africa +41 52 675 3777 | The Netherlands 00800 2255 4835* | Norway 800 16098 |
| People's Republic of China 400 820 5835 | Poland +41 52 675 3777 | Portugal 80 08 12370 |
| Republic of Korea 001 800 8255 2835 | Russia & CIS +7 (495) 6647564 | South Africa +41 52 675 3777 |
| Spain 00800 2255 4835* | Sweden 00800 2255 4835* | Switzerland 00800 2255 4835* |
| Taiwan 886 (2) 2722 9622 | United Kingdom & Ireland 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.

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.



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Tektronix:](#)

[TPP0201](#) [TPP0200](#)