

Passive 10X Voltage Probe

THP0301-Y, THP0301-B, THP0301-M, THP0301-G Data Sheet



Features & Benefits

- 300 MHz Bandwidth for the THS3000 Series Handheld Oscilloscopes
- 10X Attenuation
- 1.2 m Length

Applications

- Low-frequency Computer and Telecom Measurements
- Power Supplies
- Low-frequency Amplifiers
- Inverter Design
- Power Conversion

THP0301 Passive Voltage Probes

The THP0301 probes are 300 MHz, 10X passive voltage probes with 10 M Ω input resistance. These probes are for use with the THS3000 Series oscilloscopes and are color coded to match the oscilloscope's channel input connectors, front-panel channel selector buttons, and the displayed waveforms.

Safely Measure from mV to kV

The THP0301 probes have a CAT III safety rating which matches the safety rating on the THS3000 Series oscilloscopes enabling you to safely measure voltage ranges from mV to kV. You'll be able to measure anything from micro-electronics to heavy-duty medium-voltage electrical applications, making it possible to obtain accurate measurements in mixed-signal environments with separate ground references.

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

| |
|---|
| 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 |
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| Japan 81 (3) 6714 3010 |
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| 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) 7484900 |
| 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

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Characteristics

| Characteristic | Description |
|-----------------------|----------------|
| Bandwidth | DC to 300 MHz |
| Probe Length | 1.2 m |
| Compensation Range | 10 pF to 22 pF |
| Input Capacitance | 11 pF |
| Input Resistance | 10 M Ω |
| Maximum Input Voltage | 300 V CAT III |

Ordering Information

| Model | Description |
|-----------|---|
| THP0301-Y | (Yellow) DC to 300 MHz, 10X high-voltage probe* ¹ |
| THP0301-B | (Blue) DC to 300 MHz, 10X high-voltage probe* ¹ |
| THP0301-M | (Magenta) DC to 300 MHz, 10X high-voltage probe* ¹ |
| THP0301-G | (Green) DC to 300 MHz, 10X high-voltage probe* ¹ |

Includes: Push-on hook clip, push-on reference contact, alligator ground, un-insulated push-on BNC adapter (020-3085-xx).

*¹ One of each probe is included as a standard accessory with the THS3000 Series oscilloscopes.

Optional Accessories

| Accessory | Description |
|-------------|---------------------------------|
| 020-3085-xx | Probe Accessory Replacement Kit |



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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