

Passive 10X Voltage Probe

TPP0051 Datasheet



TPP0051 Passive Voltage Probe

The TPP0051 probe is for use on BNC oscilloscopes with 1 M Ω /20 pF inputs.

Key performance specifications

- 10X attenuation
- 50 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

- Low-frequency measurements
- Low-frequency computer and telecom measurements
- Power supplies
- Low-frequency amplifiers

Specifications

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

Electrical characteristics

Bandwidth	DC to 50 MHz
Rise time	<7 ns (typical)
Compensation range	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

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)
Nonoperating	-51 °C to +71 °C (-60 °F to 160 °F)
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	<3.0 km (9,842 ft)
Nonoperating	<12.2 km (40,026 ft)

Ordering information

Models

TPP0051 For use with BNC oscilloscopes with 1 M Ω , 20 pF inputs

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

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 (120) 441 046
Middle East, Asia, and North Africa +41 52 675 3777
People's Republic of China 400 820 5835
Republic of Korea +822 6917 5084, 822 6917 5080
Spain 00800 2255 4835*
Taiwan 886 (2) 2656 6688

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*
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Balkans, Israel, South Africa and other ISE Countries +41 52 675 3777
Canada 1 800 833 9200
Denmark +45 80 88 1401
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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

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